

www.mathseeds.com





The **Mathseeds** program teaches children the core maths and problem solving skills needed to be successful at school.

Each online lesson begins by introducing and modelling a mathematical concept. The child then completes a wide range of activities to practise the new skill. These activities present the content in many different ways, so children learn to use and apply each new skill in a variety of situations.

This book is designed to supplement the online program with more exercises in the core mathematical concepts. Each unit focuses on a topic within the main learning strand, presenting a series of pen and paper activities, word problems, puzzles and games to practise their skills and understanding.

#### Mathseeds Numbers and Patterns Year K Student Book

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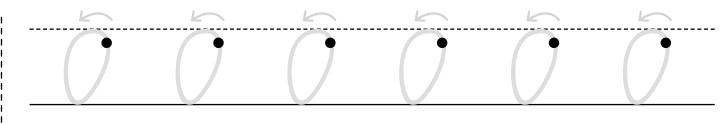
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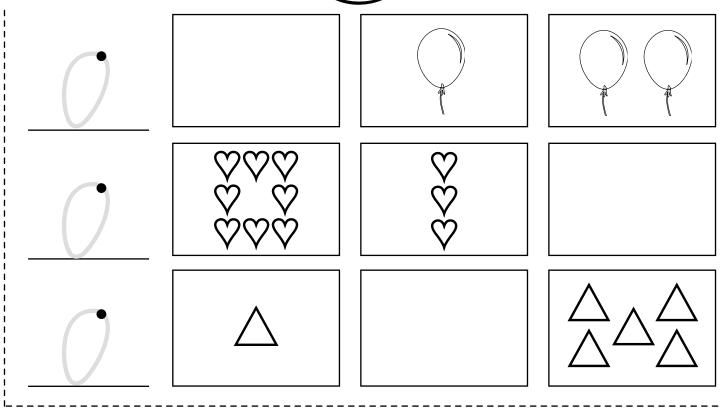
## Number 0 · zero

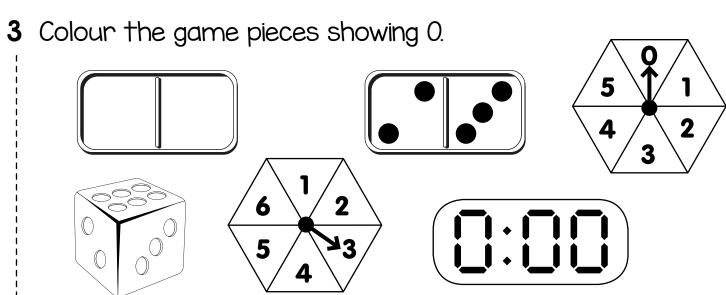


I Write the number 0.



2 Which box has 0 things? (Circle) it.

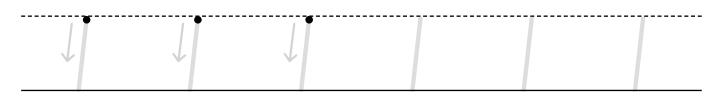




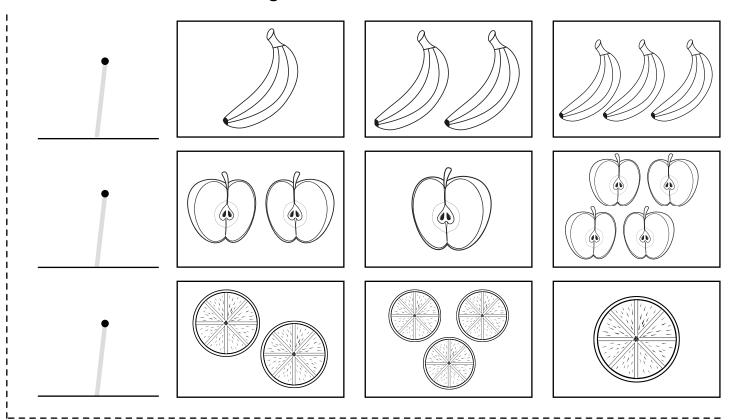
## Number I · one



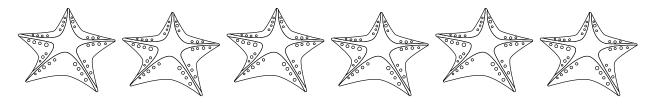
I Write the number I.



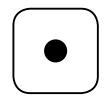
2 Which box has I thing? Colour it.



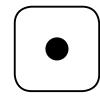
3 Colour I starfish.



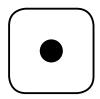
4 Colour the dice with I dot.





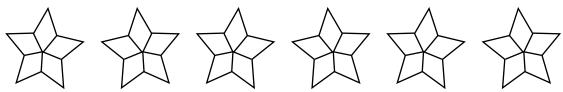












## 6 (Circle) I in each row.





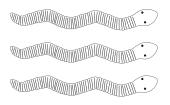










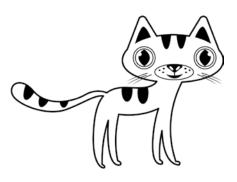




### 7 Give each cat I fish.





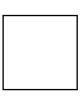


#### 8 How many?













## Number 2 · two

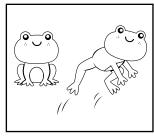


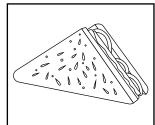


Write the number 2.

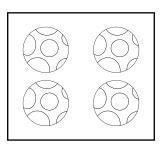


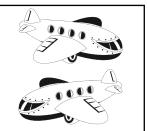
2 Which pictures have 2? Match.





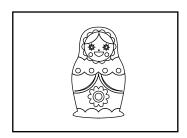
2

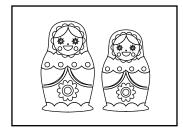


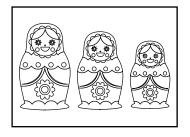


3 Which box has 2 things? Colour them.

2







4 Draw two more.





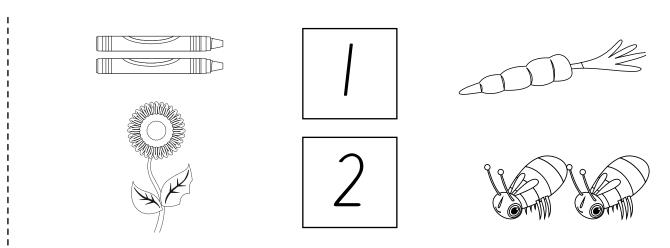


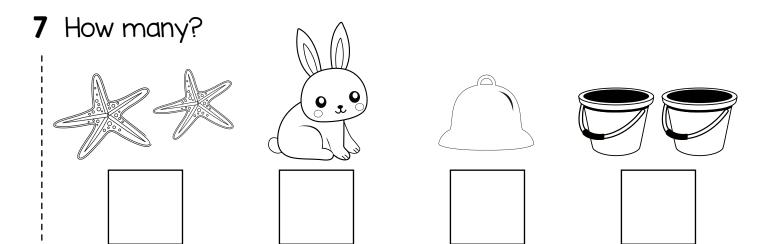


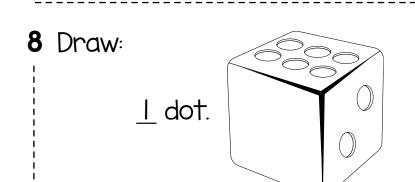




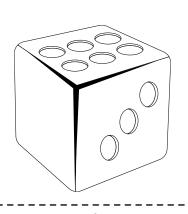
#### 6 Match.







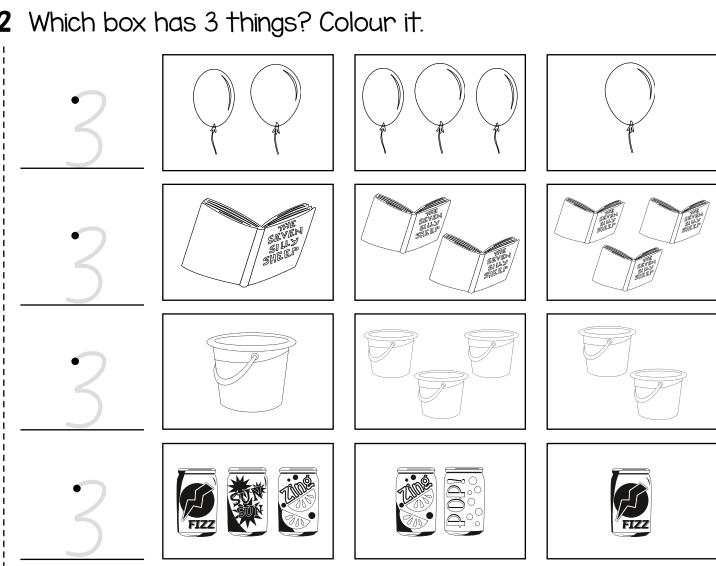
<u>2</u> dots.



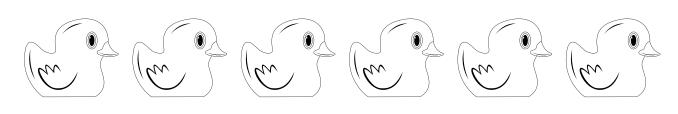
## Number 3 · three



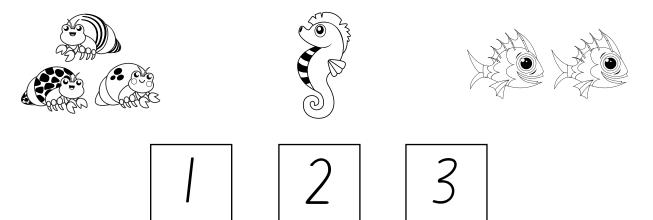
Write the number 3.



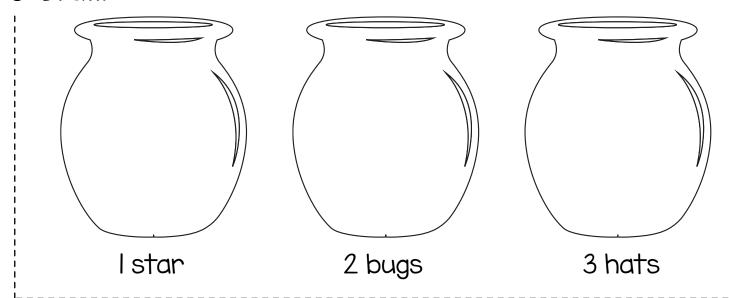
Cross X out three ducks.



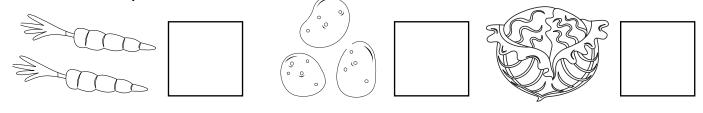
#### 4 Match each picture to a number.



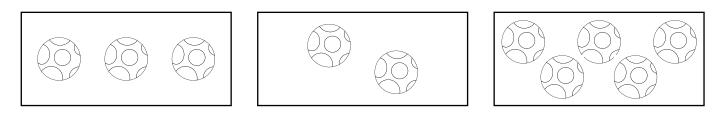
#### 5 Draw.



#### 6 How many?



### 7 Which picture has 3? Colour them.



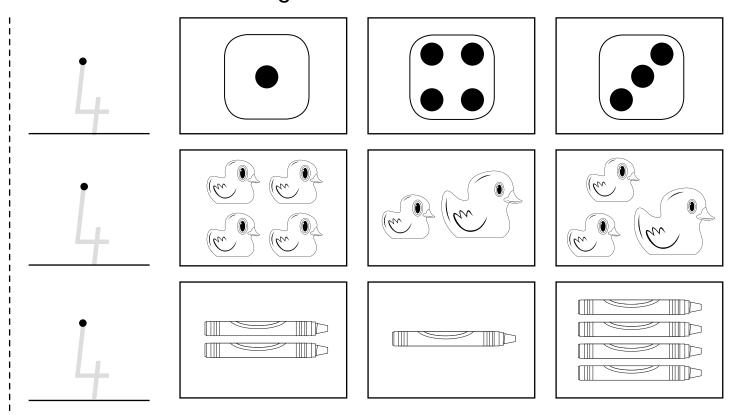
## Number 4 · four



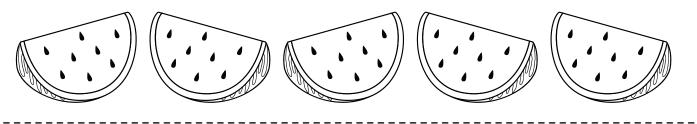
I Write the number 4.



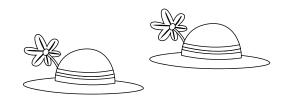
2 Which box has 4 things? Colour it.

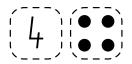


#### 3 Colour four.



#### 4 Draw 4 more hats.





#### How many?





















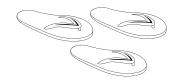
## (Circle) four in each row.

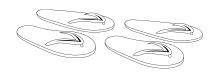














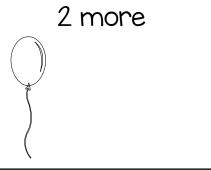




#### Draw.

I more





3 more

How many now?



How many now?



How many now?

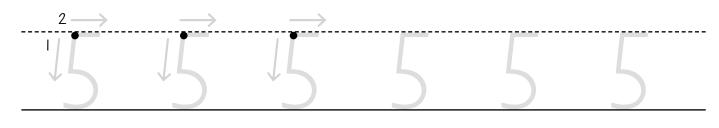
| ı |  |  |  |
|---|--|--|--|
| ı |  |  |  |
| ı |  |  |  |
| ı |  |  |  |
| ı |  |  |  |
| L |  |  |  |

## Number 5 · five

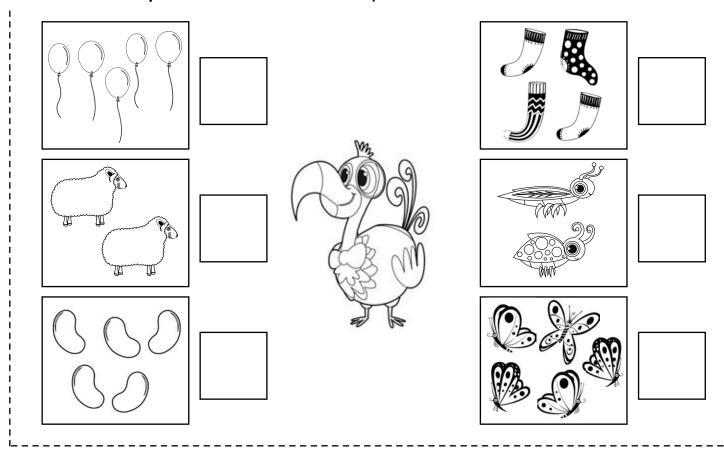




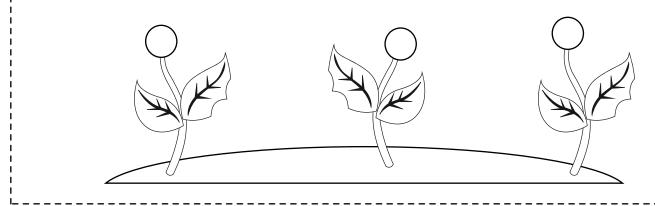
I Write the number 5.



2 How many? Join Doc to the pictures that have 5.

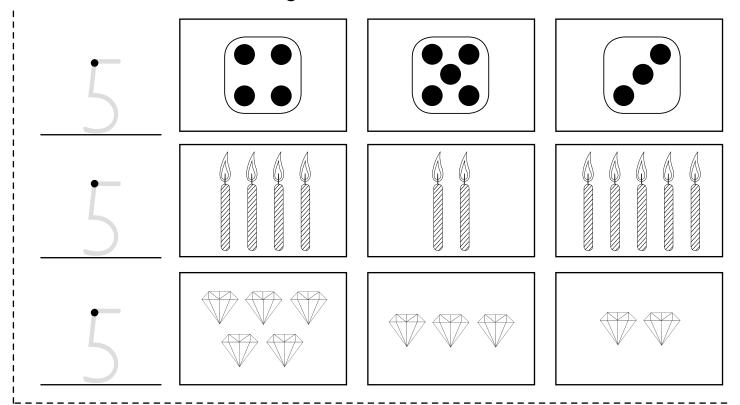


3 Put 5 petals on each flower.

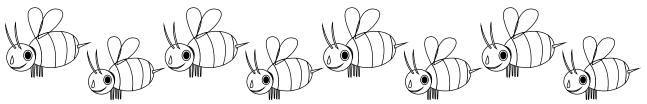




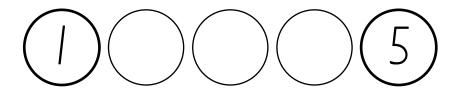
4 Which box has 5 things? Colour it.



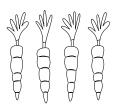
5 Colour 5 bees.



6 Count to 5.



7 Match each picture to a number.





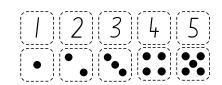


3



5

## Numbers I to 5



Trace and match.











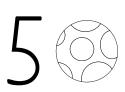


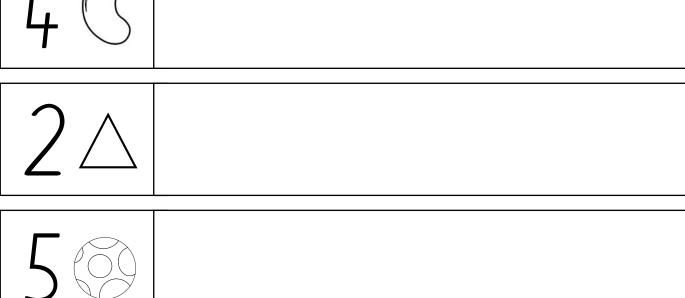






2 Draw the matching number of pictures.





3 Write the missing numbers.



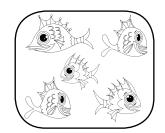
## Numbers 0 to 5

0 1 2 3 4 5

Trace and match.



Zero



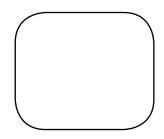
OME



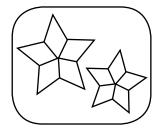


3

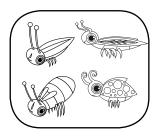
IN PEE



TOUP

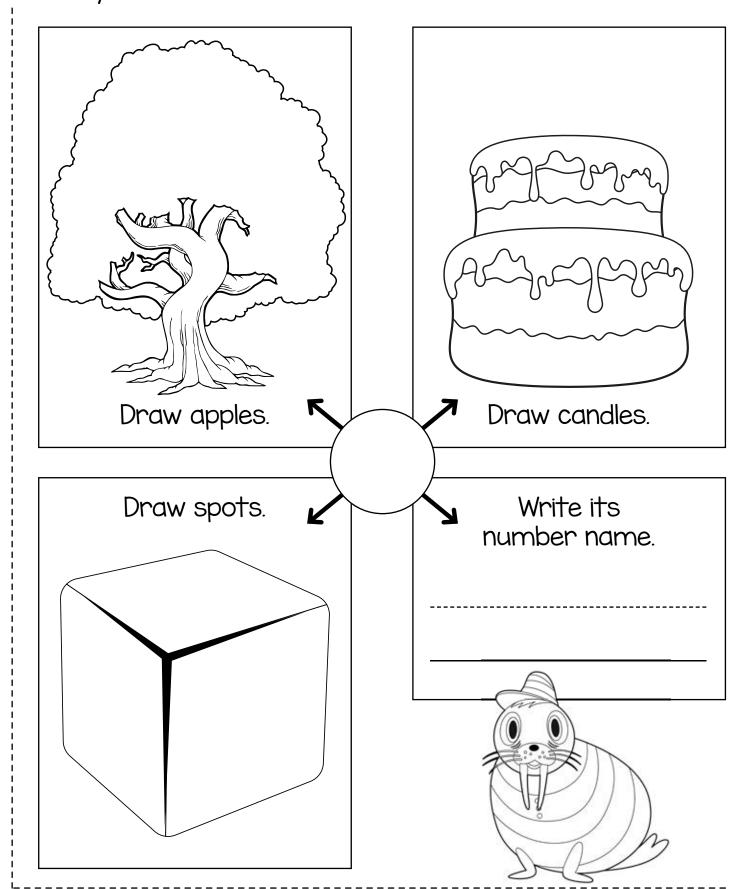


5



# Numbers I to 5 · My number (Investigate)

- Choose a number between I and 5. Write it in the circle.
- Use your number each time.



## Line-up

You will need a die ., counters oand a partner .

| START  | <b>→</b> 3  | 1   | 5                                | 2 |
|--------|---|---|----------------------------------|---|
| *(END) | }<br> }   | IOW TO PLA<br>die, cover no<br>sticker with (   | umber 6                          | O |
| 3      | $ \begin{cases} \frac{2}{2} & \text{Take it} \\ & \text{and mo} \\ & \frac{3}{2} & \text{The nur} \end{cases} $ | in turns. Roll<br>ive around th<br>mber on each<br>u how many o   | the die } ne board. { n square } |   |
| 2      | $\begin{cases}                                    $   | ayers line up   | the 'End' }<br>their }           | 5 |
| 0      | (   | rs in 2 rows. Tows. Tows. Towars. The state of the state | )                                | 3 |
| 5      | 2   | 3   | 1                                | 0 |

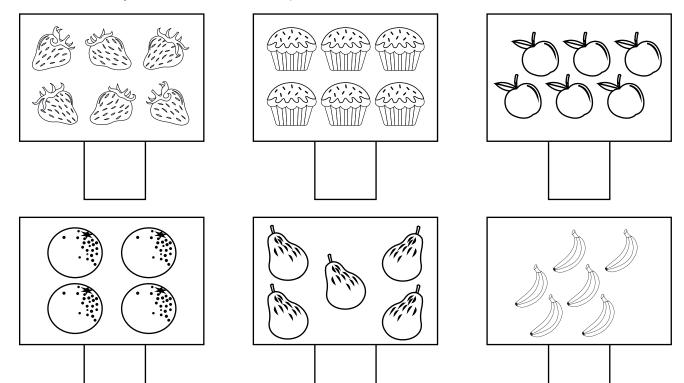
## Number 6 · six



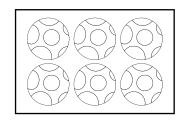
Write the number 6.

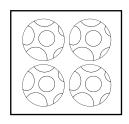
66666

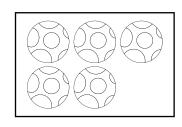
2 How many? Colour the pictures that have 6.



3 Match each picture to a number.







4

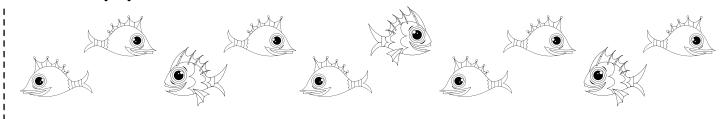
5

6

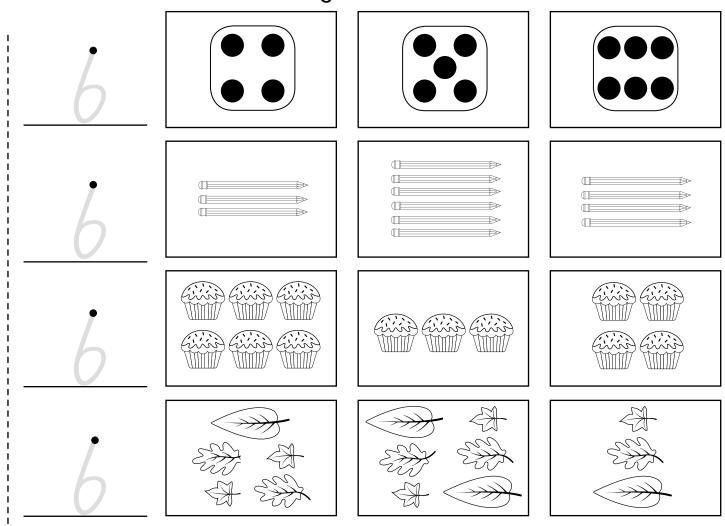
Colour the most blue. Colour the least yellow.



4 Cross X out 6 fish.



5 Which boxes have 6 things? Colour them.



6 Draw a dot pattern for each number.

| 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
|   |   |   |   |   |   |
|   |   |   |   |   |   |
|   |   |   |   |   |   |
|   |   |   |   |   |   |

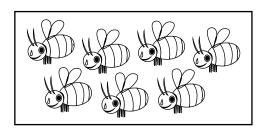
## Number 7 · seven

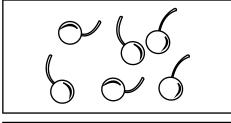


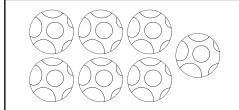
I Write the number 7.

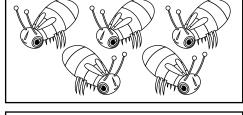


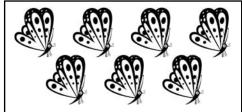
2 Which pictures have 7? Match.

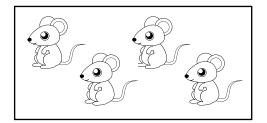




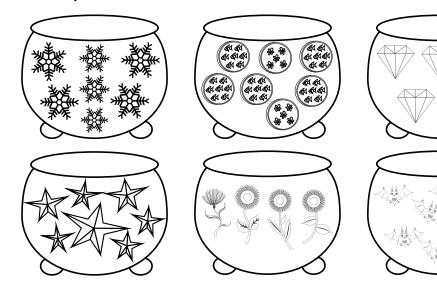






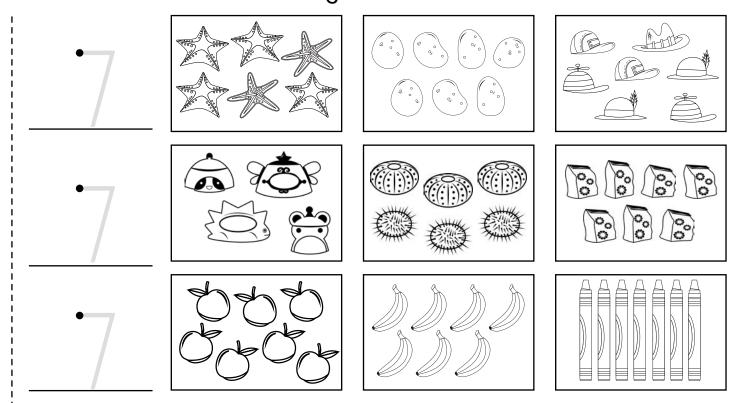


**3** Colour the pots that have 7.

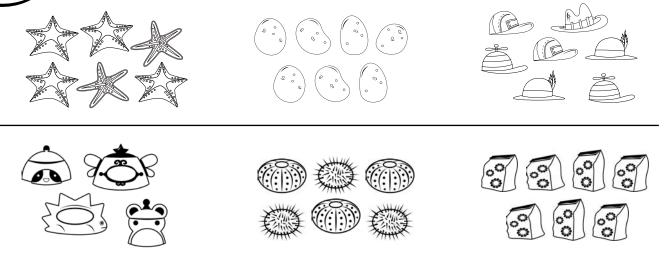




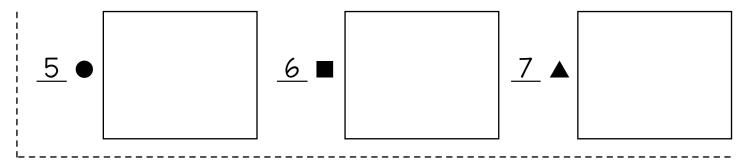
### 4 Which boxes have 7 things? Colour them.







6 Draw

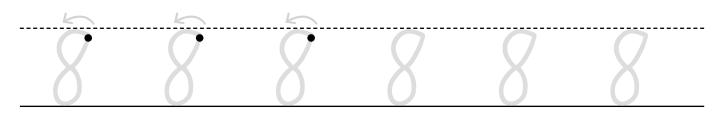


# Number 8 · eight

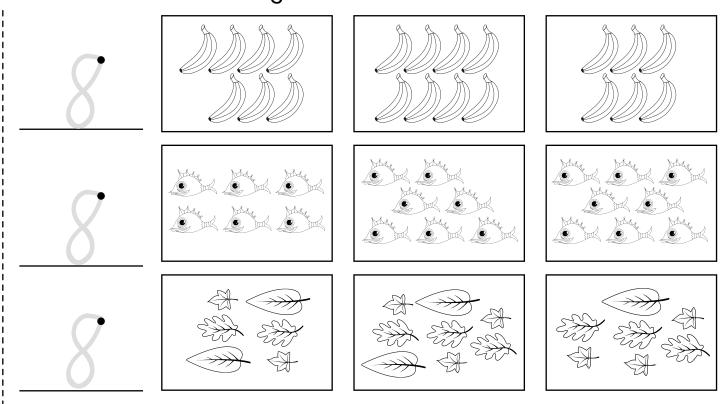




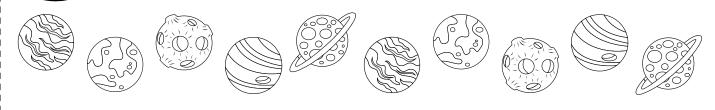
Write the number 8.



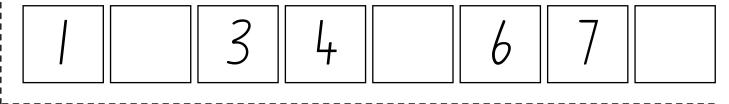
2 Which box has 8 things? Colour it.



3 Circle eight planets.



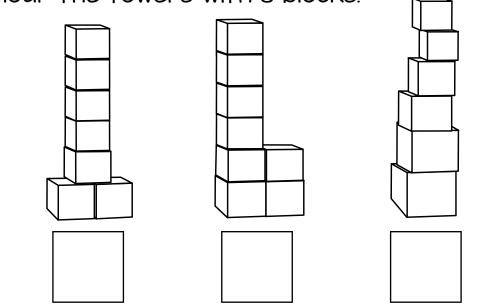
4 Write the missing numbers.



5 Colour eight squares.



6 How many? Colour the towers with 8 blocks.



7 Draw







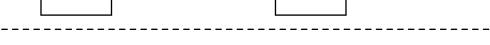
How many?

| ٦ |
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| ı |
| ı |
| ı |
| ı |
| ı |
| ı |
| ı |
| ı |
| 1 |

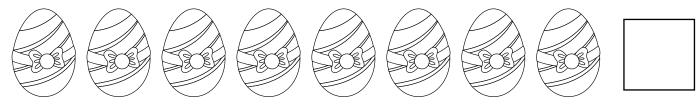
How many?



How many?

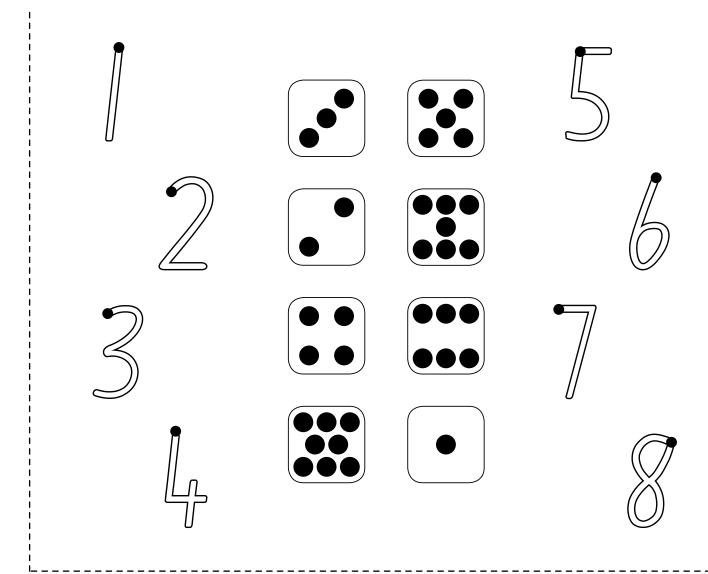


8 How many?



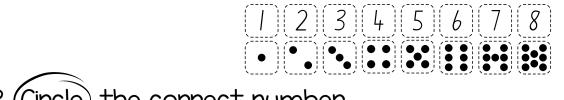
## Numbers I to 8

Trace and match.



2 Continue counting.

|   | 2 | 3 |  |  |
|---|---|---|--|--|
| 3 | 4 |   |  |  |



How many? (Circle) the correct number.











12345678



12345678







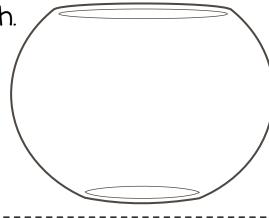


12345678

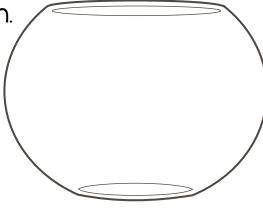


Draw

5 fish.



8 fish.



How many?































Which group has more?



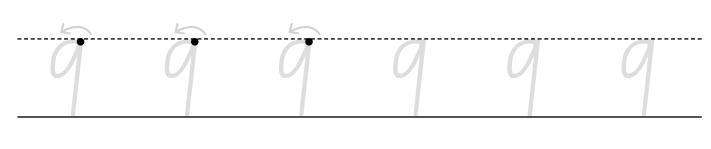


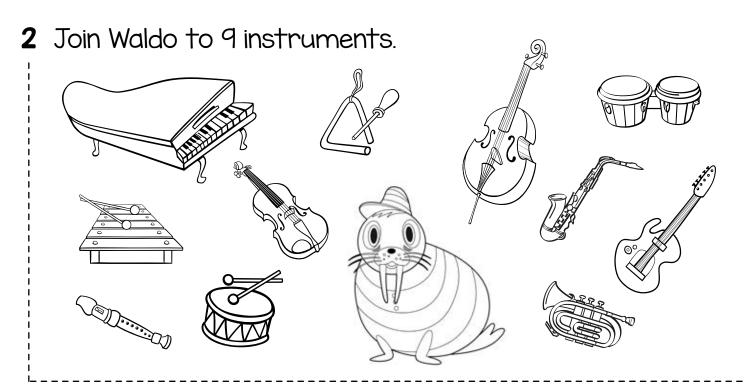


## Number 9 · nine

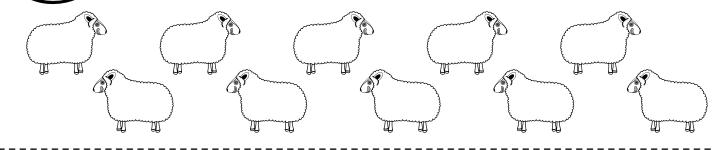


Write the number 9.

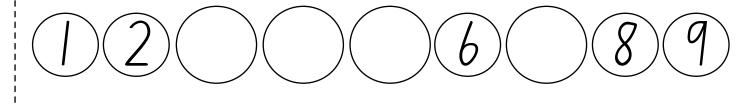




Circle 9 sheep.

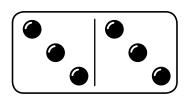


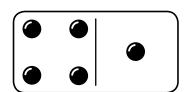
Write the missing numbers.

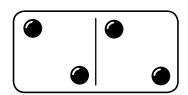


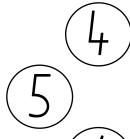


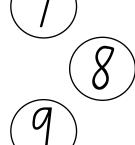
5 Count the dots. Match.

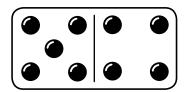


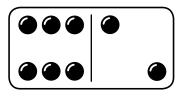


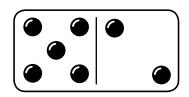






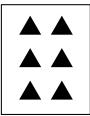


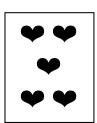




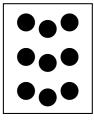
(Circle) the cards that show 9.

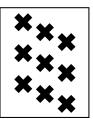


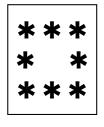


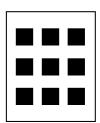


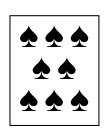




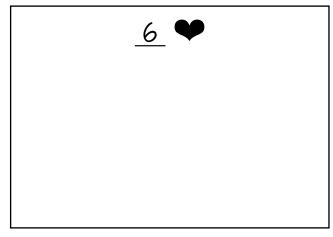


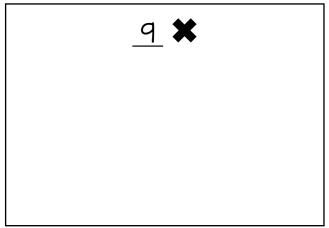






Draw

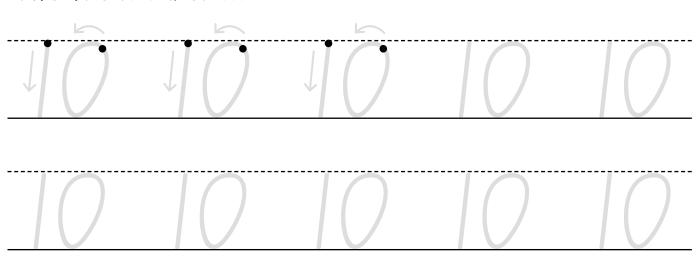




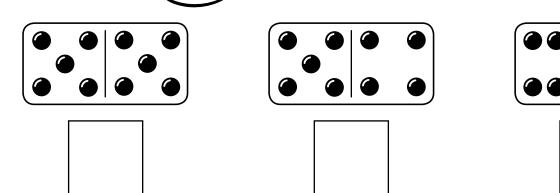
## Number 10 · ten



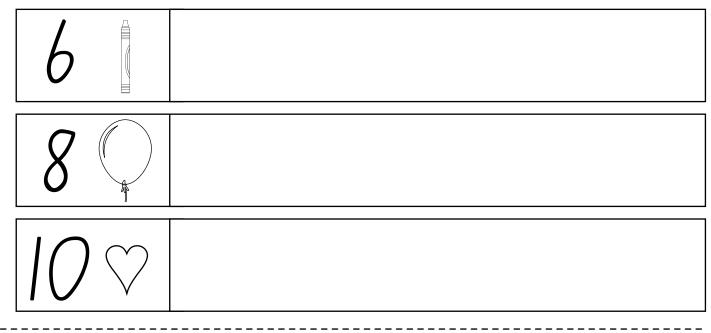
Write the number 10.



How many? (Circle) the dominoes that have 10.

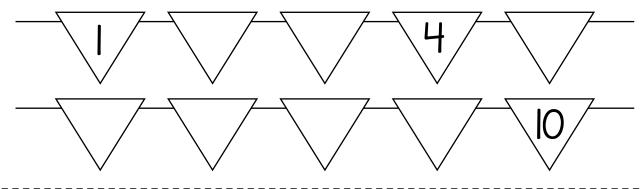


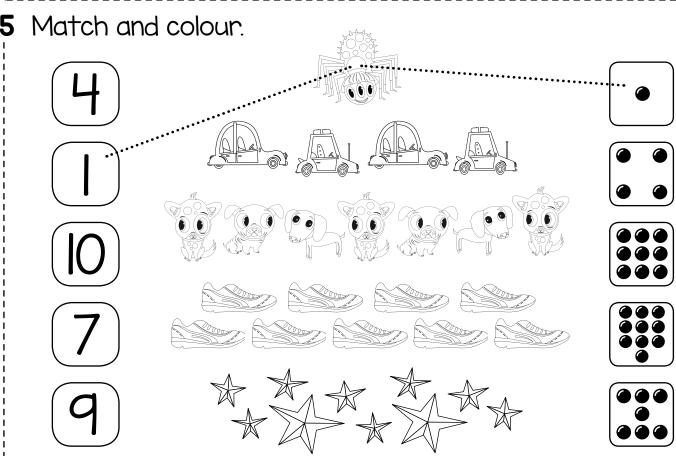
Draw the correct number of things.



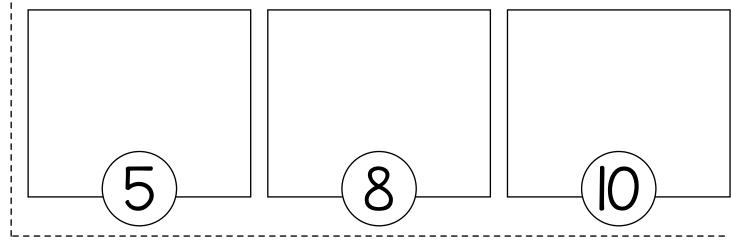


4 Fill in the missing numbers.



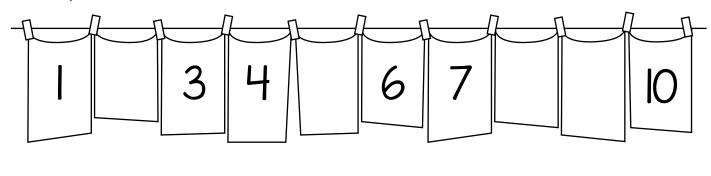


Draw dots.

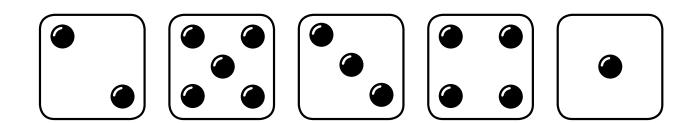


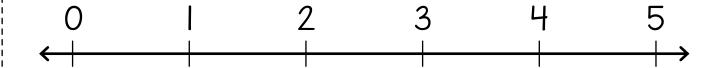
## Numbers to 10

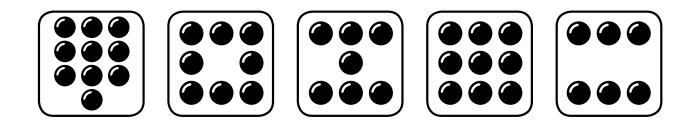
Complete the number line.

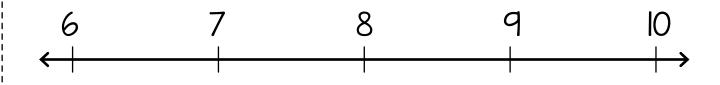


Count the dots. Join to the number line.

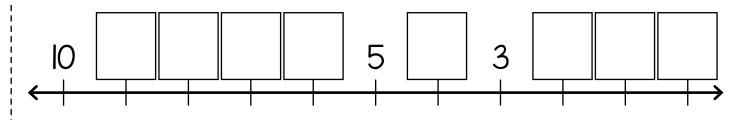




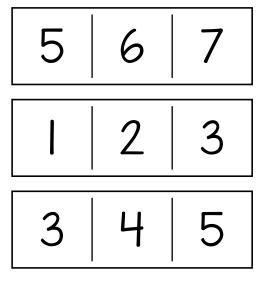




Complete the number line.

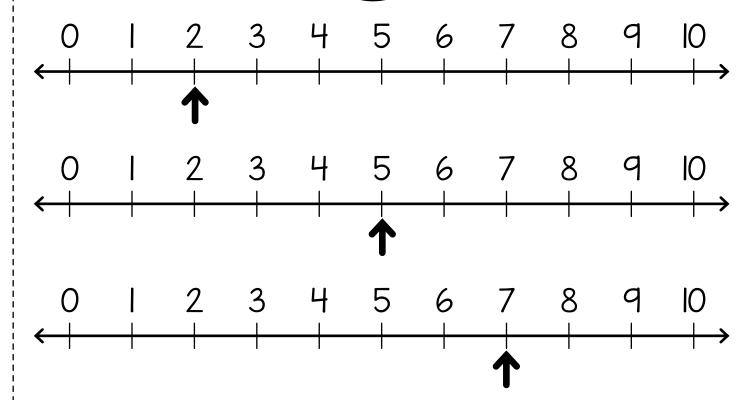


Join the pieces together.



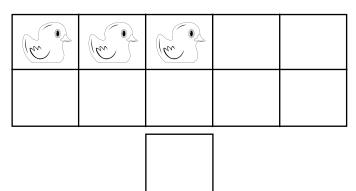
| 6 | 7 | 8 |
|---|---|---|
| 8 | 9 | Ю |
| 4 | 5 | 6 |

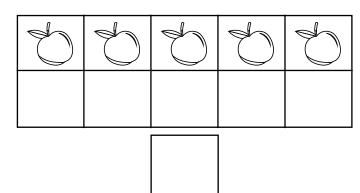
5 Count forward 3 places. (Circle) the number.

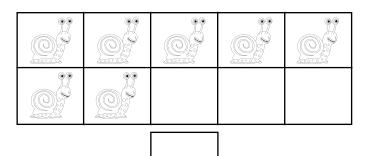


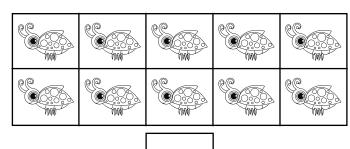
# Counting to ten

#### How many?

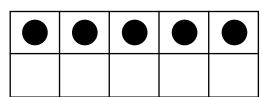


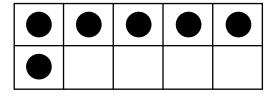


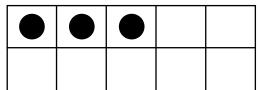


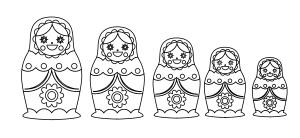


Draw lines to match.

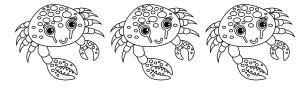






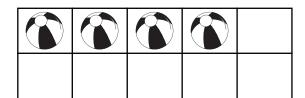


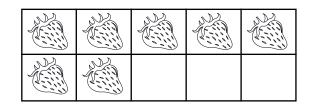


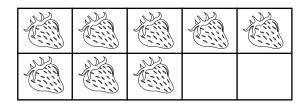




3 (Circle) the bigger number in each pair.



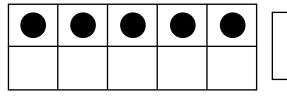


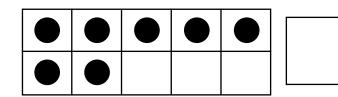


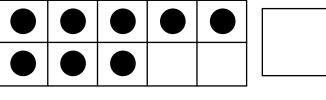
4 Colour.

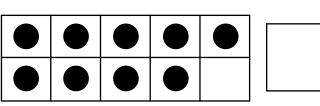
5 How many?





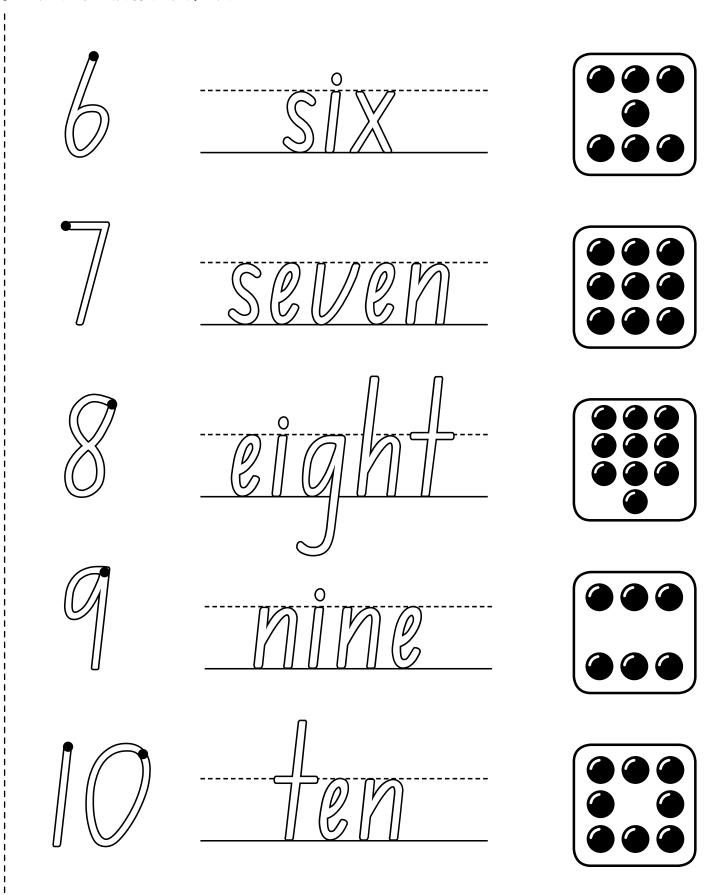






#### Number names six to ten

Trace and match.



# Pick a number Pick a number between 6 and 10. Write it. Is this your number? (Circle) yes or no. yes no Draw your number in 3 ways. Write your number word. Circle your number.

### Bingo!

Game

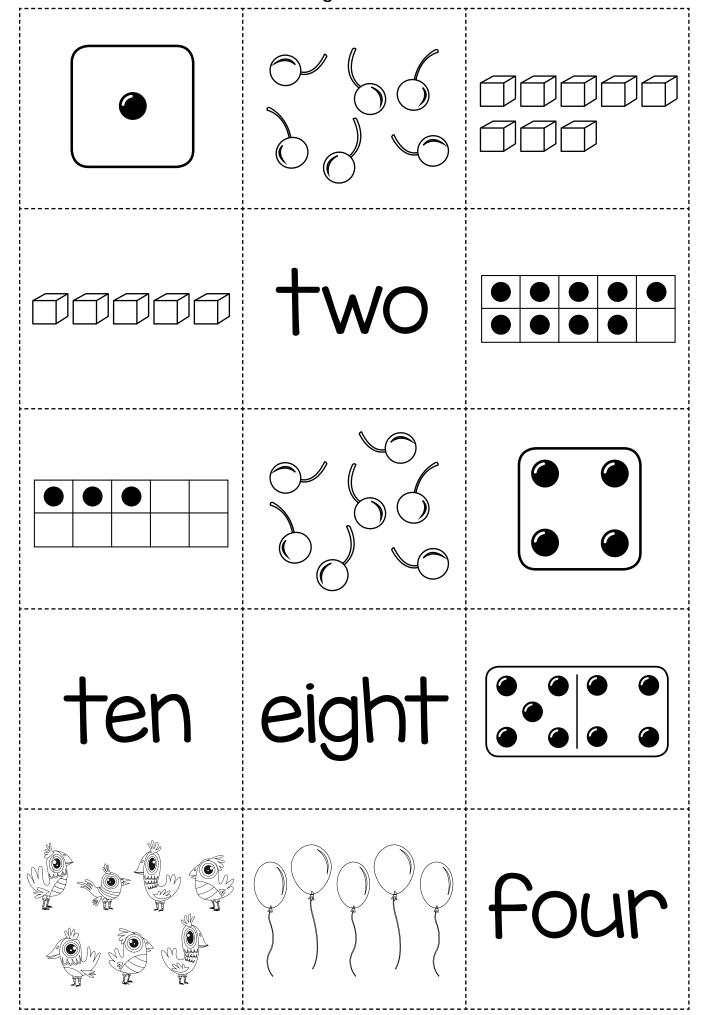
You will need scissors and a partner .



- Cut out the bingo cards.
- 2 Fill in your bingo card. Write one number in each panel.
- 3 Put your cards face down in a pile. Take turns to turn the top card over.
- 4 If it matches a number on your numbers, cross it out.
- The first one to cross out all six numbers is the winner. **BINGO!**

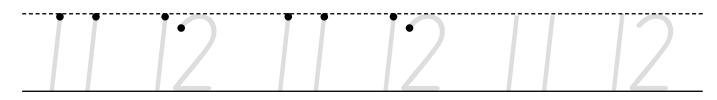
Write a number between I and 10 in each panel.

| <b>%</b> * * * © ☆ | My Bingo Card | A \$\lambda \lambda \ |
|--------------------|---------------|---|
|                    |               |   |
|                    |               |   |
|                    |               |   |
|                    |               |   |
|                    |               |   |
|                    |               |   |
|                    |               |   |
|                    |               |   |

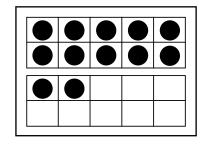


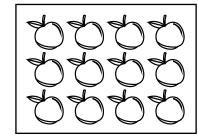
#### Numbers II and 12 · eleven · twelve

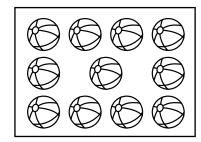
Write the numbers II and I2.



2 Match.

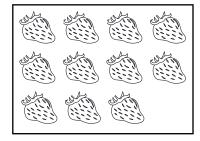


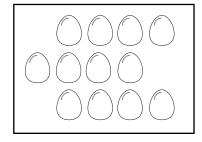


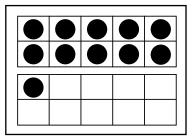




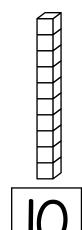
12



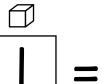


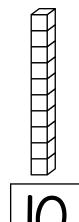


3 Complete each sum.



+ |





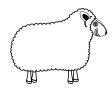
+



2



4 Draw 10 more sheep.



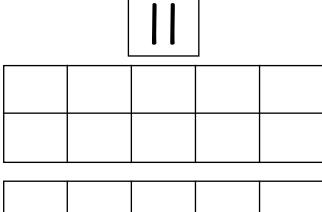
Complete.



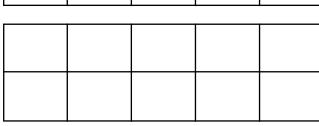
+ 10

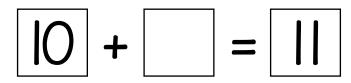
=

5 Show each number in the ten frames. Complete the sums.

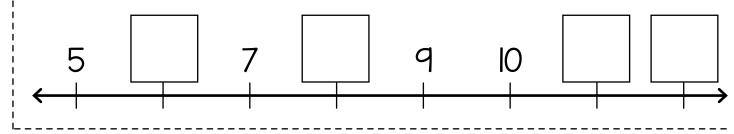


12





6 Complete the number line.

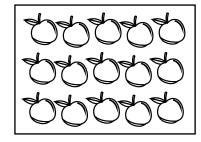


#### Numbers 13, 14, 15 · thirteen · fourteen · fifteen

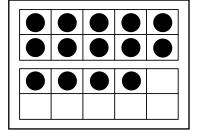
Write the numbers 13, 14 and 15.

13 14 15 13 14 15

2 Match.



13



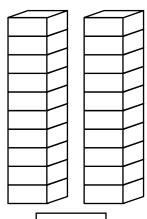
14

\$2000 \$2000 \$2000

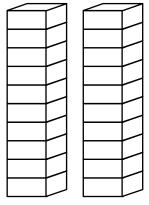
6666 6666 6666

15

3 Colour.



13

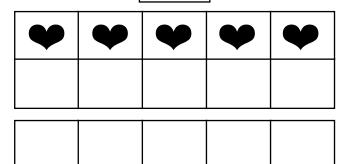


**IO** +

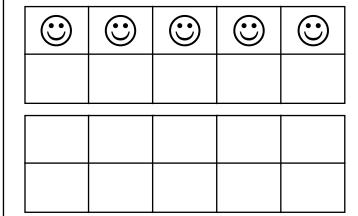
= | 14

4 Complete the ten frames to make the number.









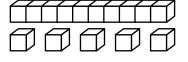
## 15

| * | ** | * |  |
|---|----|---|--|
|   |    |   |  |

#### 5 Match.

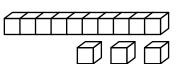






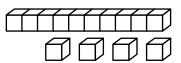


fifteen



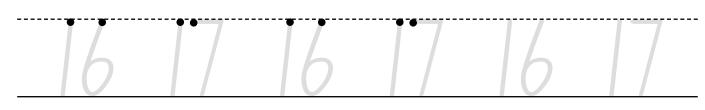
(15)

thirteen

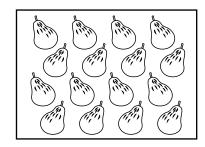


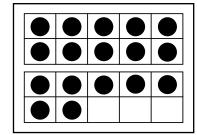
#### Numbers 16 and 17 · sixteen · seventeen

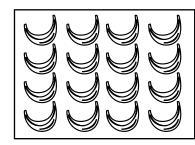
Write the numbers 16 and 17.



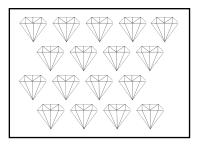
Match.

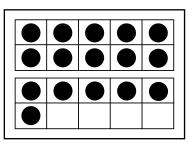




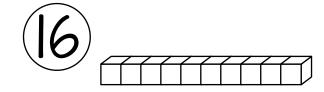




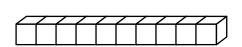




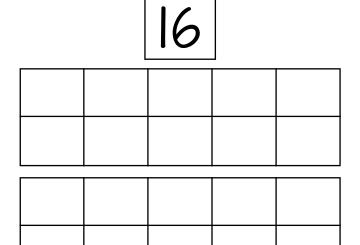
3 Draw more blocks to make each number.





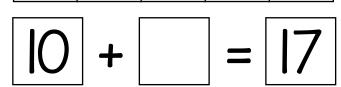


4 Show each number in the ten frames. Complete the sums.



10 + = 16





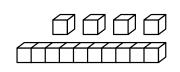
5 (Circle) the <u>smaller</u> number. Cross Xout the <u>larger</u> number.













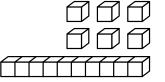
(13)





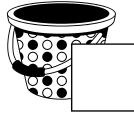


996 9996 77777777



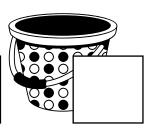
6 Write the missing numbers.









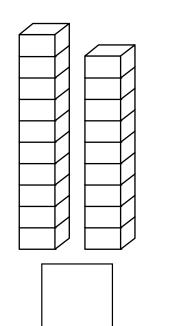


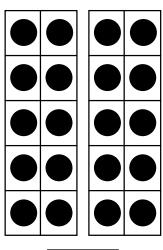
Numbers 18, 19, 20 · eighteen · nineteen · twenty

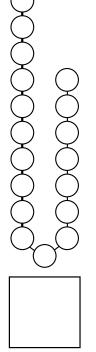
Write the numbers 18, 19 and 20.



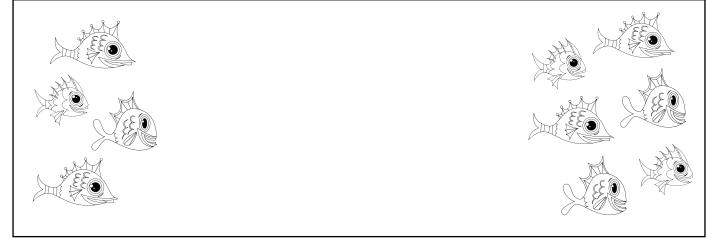








3 Draw 10 more fish.

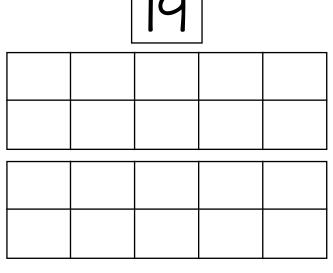


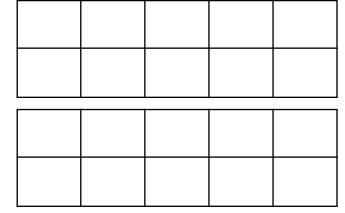
Complete.



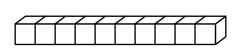


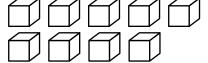
4 Colour to make each number.

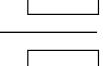


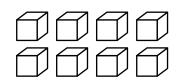


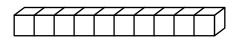
Complete.

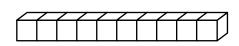






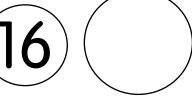


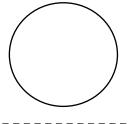


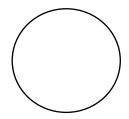


Write the missing numbers.



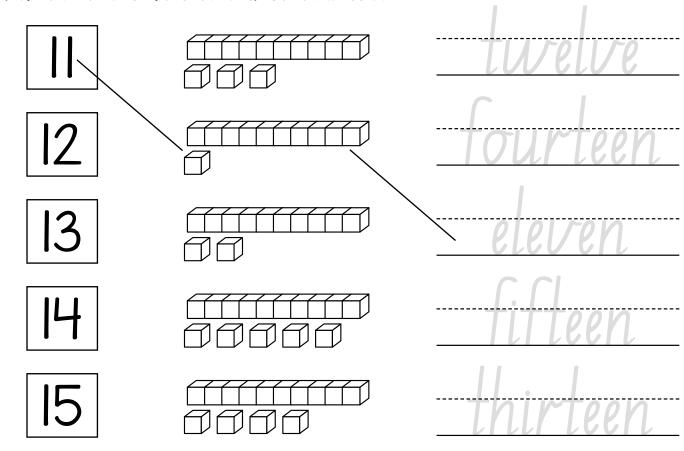






## Number names eleven to twenty

Match. Trace the number names.

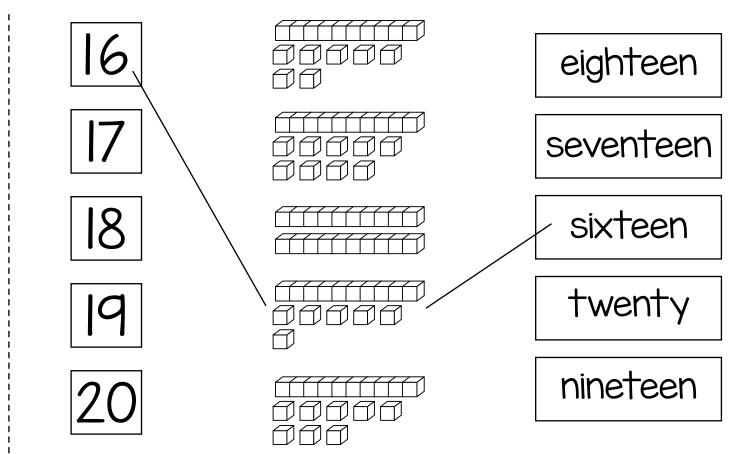


2 Colour.

Fifteen

\$\frac{\partial \partial \part





Colour.

| eighteen  |  |
|-----------|--|
| sixteen   |  |
| seventeen | 000000000                                |
| nineteen  | (원 ( |

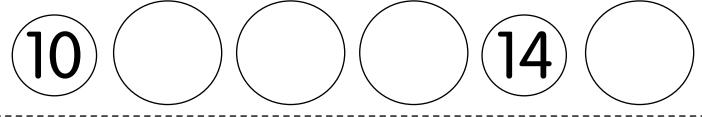
AAAAAAAAA

## Counting II to 20

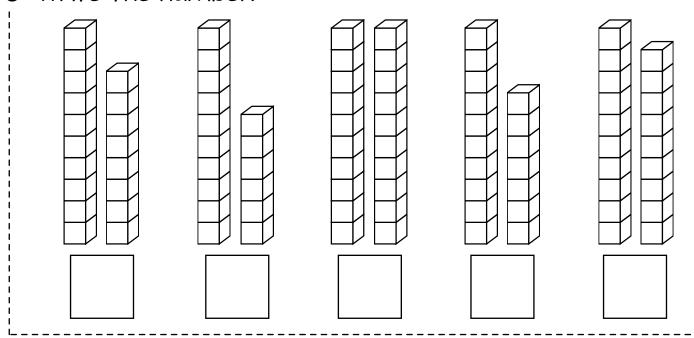
I Draw dots to match. Write the number.

| eleven                |  |  |
|-----------------------|--|--|
| twelve                |  |  |
| thirteen              |  |  |
| fourteen              |  |  |
| fifteen               |  |  |
| sixteen               |  |  |
|                       |  |  |
| seventeen             |  |  |
| seventeen<br>eighteen |  |  |
|                       |  |  |

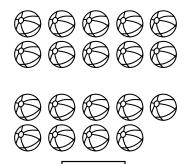
2 Complete.

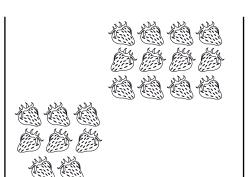


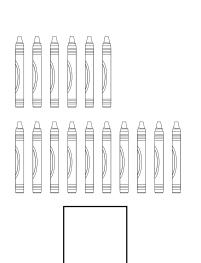
3 Write the number.



4 How many?







5 Count to 20. Write the missing numbers on the chart.

| 1  | 2  |   |    | 5  |
|----|----|---|----|----|
| 6  |    | 8 |    | 10 |
|    | 12 |   | 14 |    |
| 16 | 17 |   |    |    |

## Lots of legs

Investigate

Mango sees 5 . How many legs? Draw and count.



legs

2 Dizzy sees 4 How many legs? Draw and count.



legs

3 Ruby sees 4 . How many legs? Draw and count.



legs

4 Who sees the most legs?









#### Three in a row

You will need:

- \* and a partner ①

My colour \_\_\_\_\_ My partner's colour \_

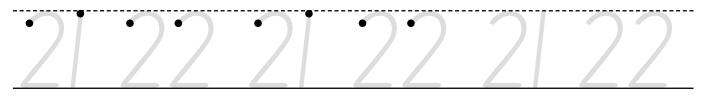
I Roll the 3 dice.

- 4 Try to get 3 in a row.
- Count the dots.
- 5 The most groups of 3 wins the game!
- Trace the number.

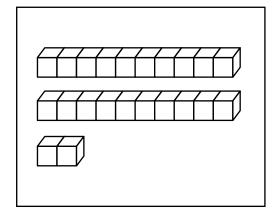
|   |   |    | 1 |   |    |  |   |   |
|---|---|----|---|---|----|--|---|---|
|   |   |    |   | 6 |    |  |   | 6 |
|   |   | 8  |   |   |    |  |   |   |
|   | 8 | 5  | 3 |   | 12 |  |   | 6 |
|   |   |    | 5 |   | 6  |  |   |   |
|   |   |    | 3 |   | 8  |  | 6 | 7 |
| Ī | 8 | 12 | 5 |   | 7  |  |   |   |
|   |   | 18 | 9 |   |    |  |   | 6 |

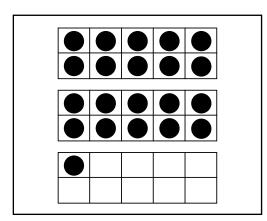
#### Numbers 21 and 22 · twenty-one · twenty-two

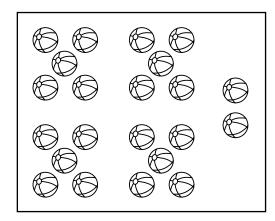
Write the numbers 21 and 22.



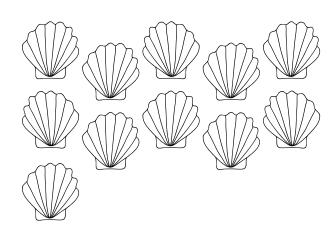
Match.





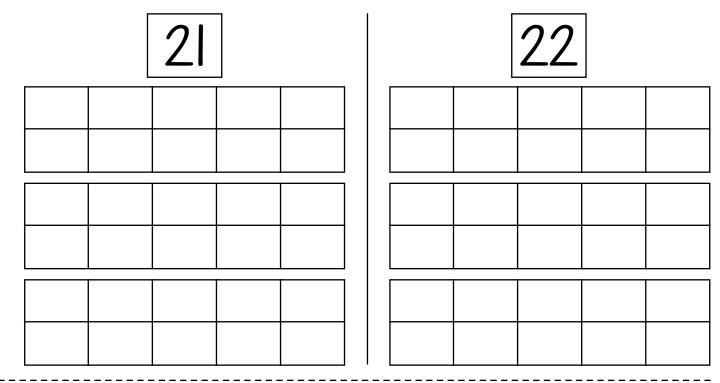


Draw 10 more shells.

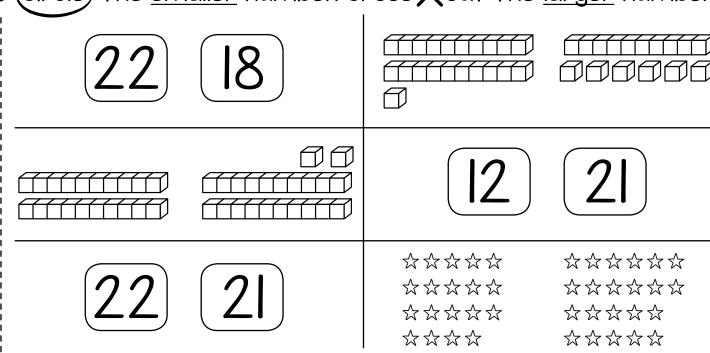


How many shells?

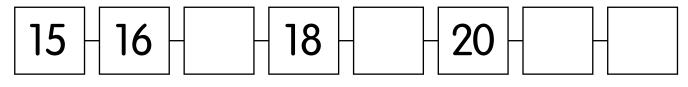
4 Show each number in the ten frames.



5 (Circle) the <u>smaller</u> number. Cross Xout the <u>larger</u> number.



6 Complete.

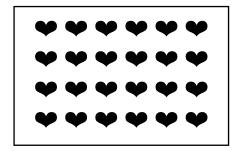


Numbers 23, 24, 25 · twenty-three · twenty-four

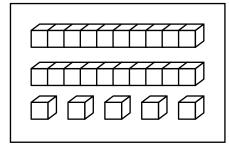
- · twenty-five
- I Write the numbers 23, 24 and 25.

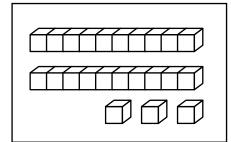
23 24 25 23 24 25

2 Match.

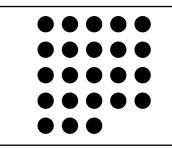


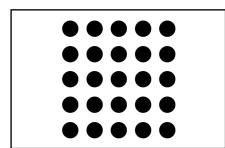
23



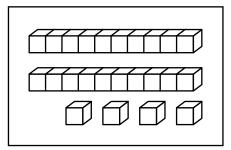


24

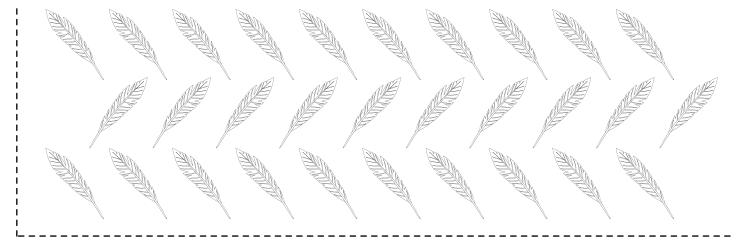




25

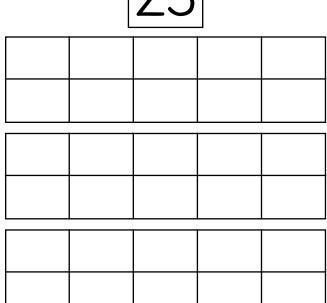


**3** Colour <u>24</u>.



4 Show each number in the ten frames.

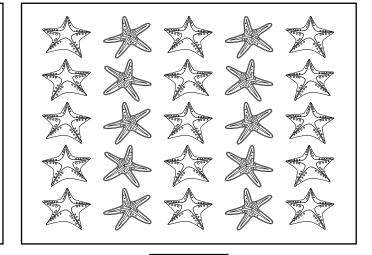
23



25

| <u> </u> |  |  |
|----------|--|--|
|          |  |  |
|          |  |  |
| <u> </u> |  |  |
|          |  |  |
|          |  |  |

5 How many?



6 Complete.

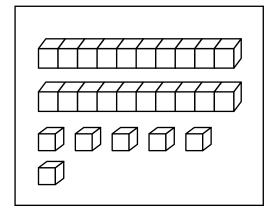
19-0-22-0-25

#### Numbers 26 and 27 · twenty-six · twenty-seven

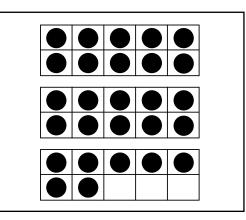
Write the numbers 26 and 27.

26 27 26 27 26 27

2 Match.

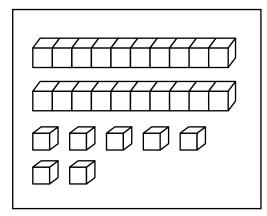


26

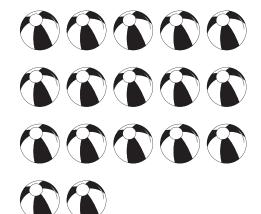


\*\* \*\* \*\* \*\* \*\* \*\* \*\* \*\*

27

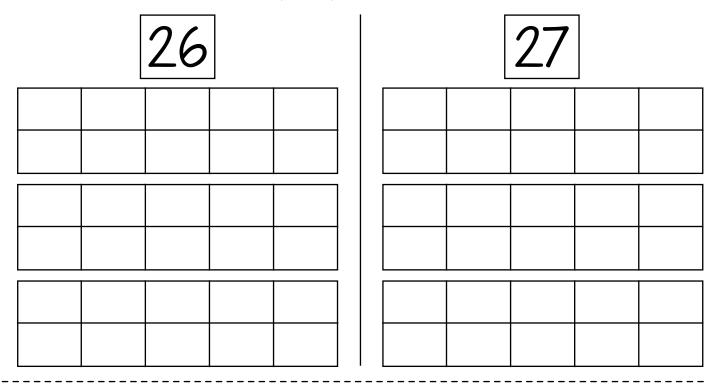


3 Draw <u>10</u> more balls.

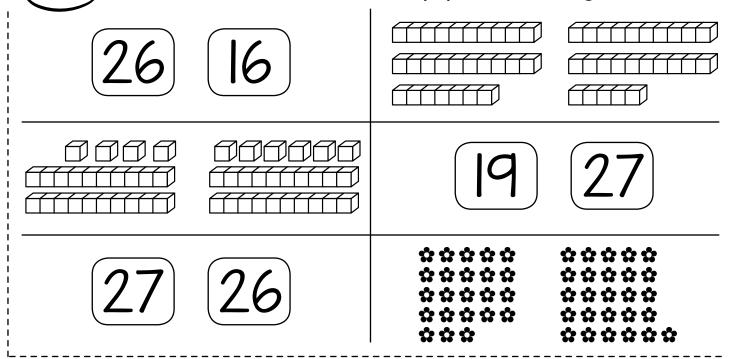


How many balls altogether?

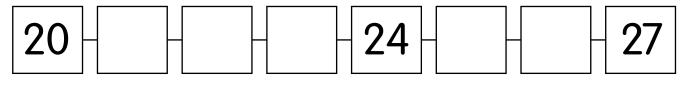
4 Show each number in the ten frames.



5 (Circle) the <u>smaller</u> number. Cross Xout the <u>larger</u> number.



6 Complete.

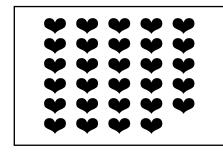


Numbers 28, 29, 30 · twenty-eight · twenty-nine

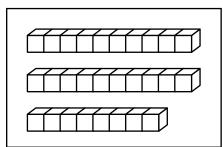
- thirty
- I Write the numbers 28, 29 and 30.

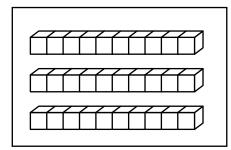
28 29 30 28 29 30

2 Match.

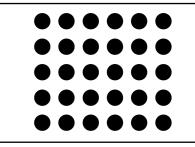


28

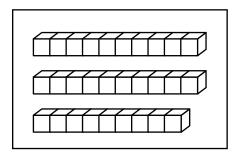




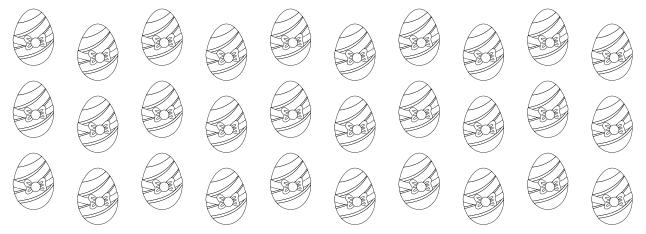
29



30

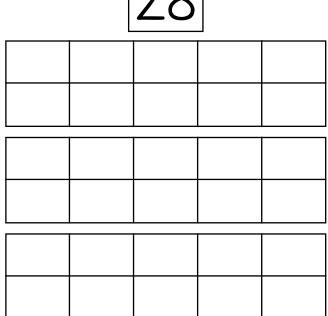


**3** Colour <u>29</u>.



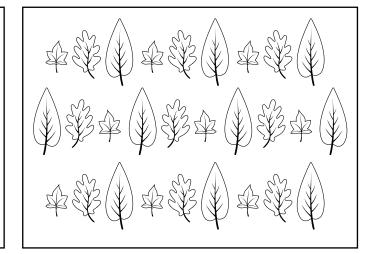
4 Show each number in the ten frames.

28



30

5 How many?

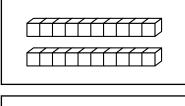


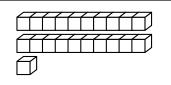
6 Complete.

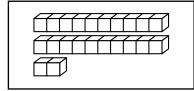
24-0-26-0-29-0

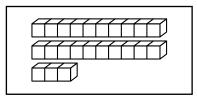
## Number names twenty to thirty

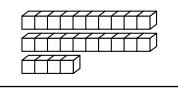
Match. Write the number names.

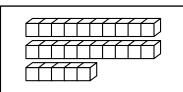


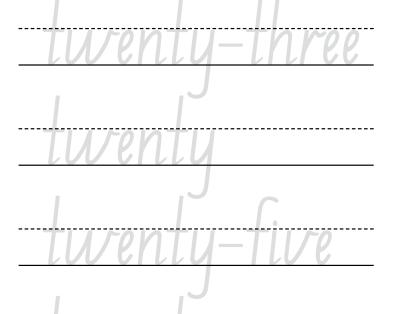










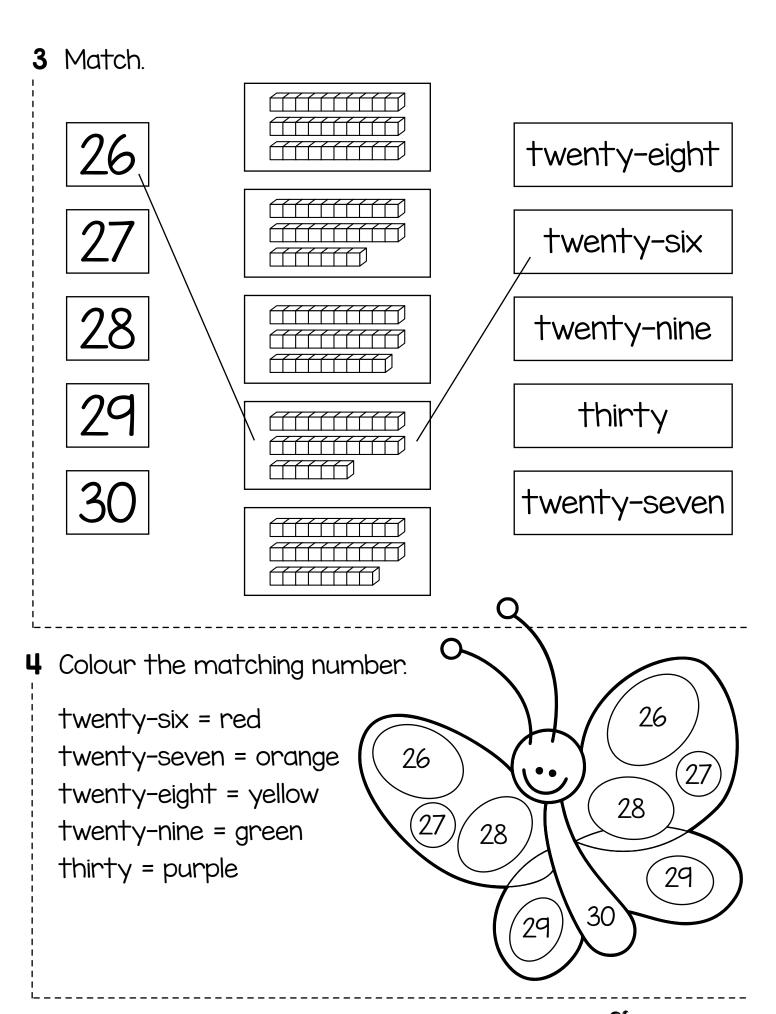


2 Colour.

9B9B9B9B9B9B9B9B9B twenty-three 9B9B9B9B9B9B9B9B9B9B 9B9B9B9B9B9B9B9B9B

twenty-nine

**羧羧羧羧羧羧羧 微微微微微微微微** 数数数数数数数数数



## Counting to 30

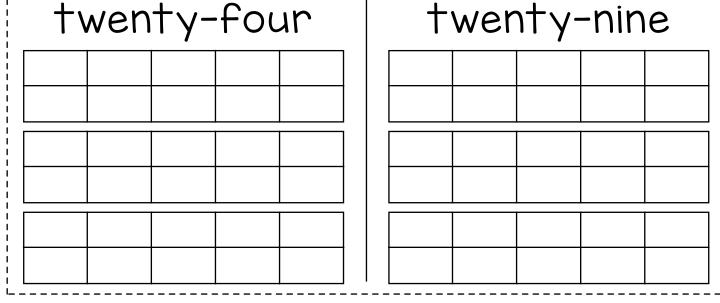
Write the missing numbers.

| <i>ත</i> වතු කර අ | ) <sub>ග්</sub> ග්යමය | 'ය්ට්ය්ට්ය          | JUNE                     | _                   | ටක <sup>ල</sup> කට කට | <sup>7</sup> ක්තික්තික |
|-------------------|-----------------------|---------------------|--------------------------|---------------------|-----------------------|------------------------|
| Monday            | Tuesday               | Wednesday           | Thursday                 | Friday              | Saturday              | Sunday                 |
|                   | 2                     |                     |                          |                     | 6                     |                        |
| 8                 |                       |                     |                          |                     |                       | 14                     |
|                   | 16                    |                     |                          |                     | 20                    |                        |
| 22                |                       |                     |                          | 26                  |                       |                        |
|                   | 30                    | <i>ත</i> ුතු කුතු ර | 3 <b>%</b> & <b>%</b> &% | ක <sup>ල</sup> ක ලක |                       |                        |
| Complete          | e.<br>                |                     |                          |                     |                       | 3                      |
| 24)(              |                       |                     |                          | 28                  |                       |                        |

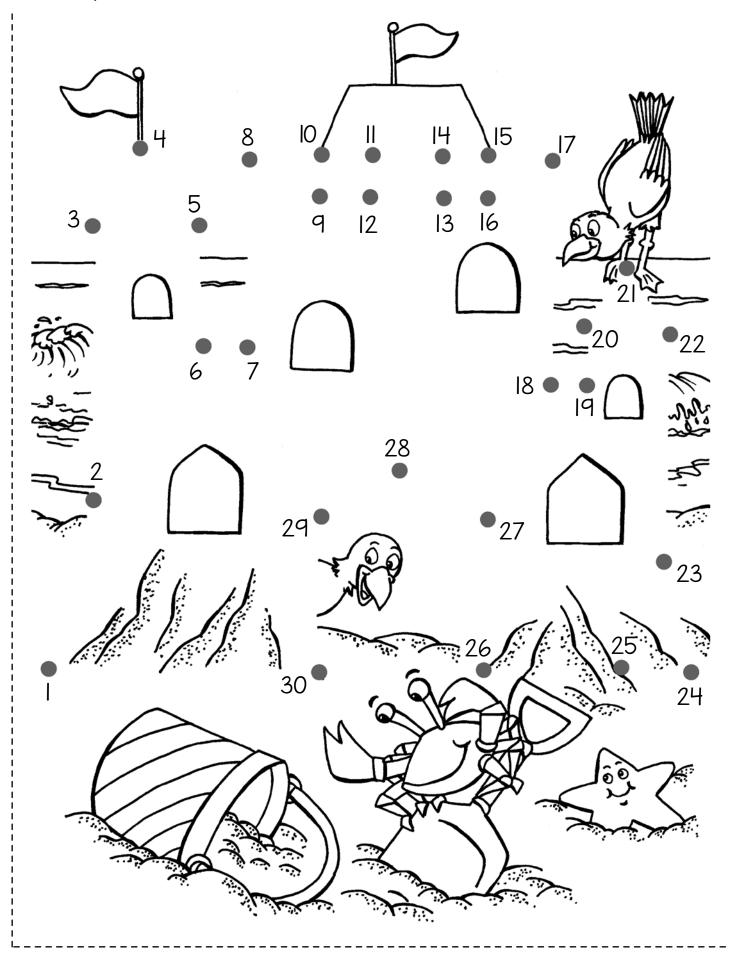
Write the number.

How many?

5 Show each number in the ten frames.



#### 6 Complete the dot to dot. Colour.



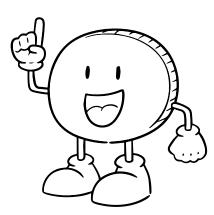
#### Guess and check

Activity

You will need 30 counters  $\bigcirc$  or cubes

S [ ].

- I Grab a handful of counters.
- 2 Put them on the table in front of you.
- 3 Look quickly, then cover them up.
- 4 Estimate (guess) how many there are.
- 5 Write the number.
- 6 Now count them.
- 7 How close was your guess? Colour the face.
- 8 Play with a partner. Who had the best guess?



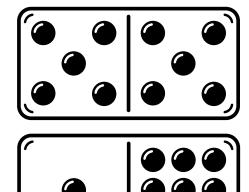
| GUESS | CHECK | RATE MY GUESS |
|-------|-------|---------------|
|       |       |               |
|       |       |               |
|       |       |               |
|       |       |               |
|       |       |               |

## Word problems

Show each answer in the ten frames.

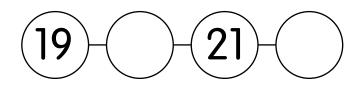
| Ruby has 13 (Go.) Doc has 14 (Go.)                   | 2 Mango has 15  Dizzy has 10 |
|--|------------------------------|
| How many altogether?                                 | How many altogether?         |
|  |                              |
|  |                              |
|  |                              |
|  |                              |
|  |                              |
| There are  | There are                    |
|  |                              |
| Waldo has II .  Dizzy has 10 .  How many altogether? | How many altogether?         |
| Dizzy has 10 .                                       | Doc has 9                    |
| Dizzy has 10 .                                       | Doc has 9                    |
| Dizzy has 10 .                                       | Doc has 9                    |
| Dizzy has 10 .                                       | Doc has 9                    |

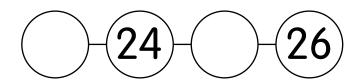
5 How many dots
altogether?

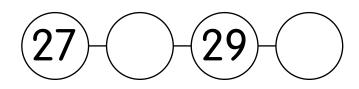


There are dots.

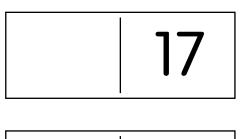
6 Which numbers are missing?





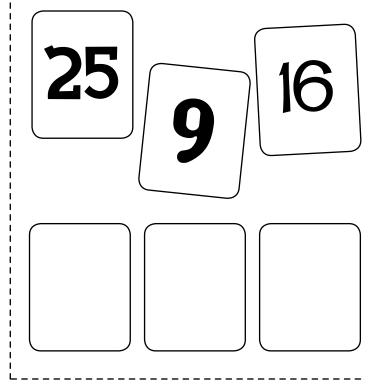


7 Which number comes before?



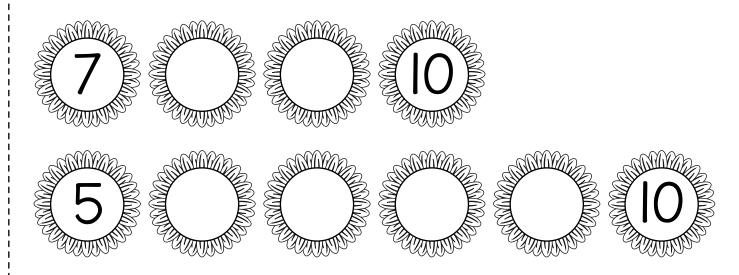
30

8 Order the cards from least to greatest.

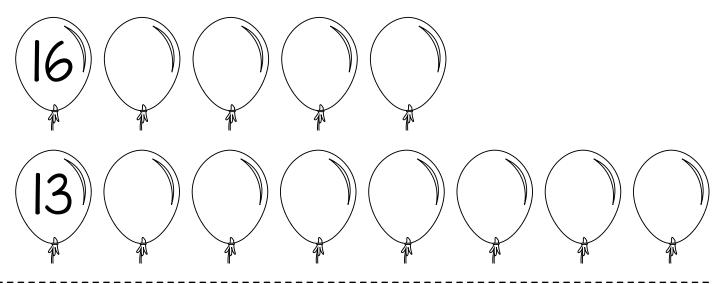


## Counting on

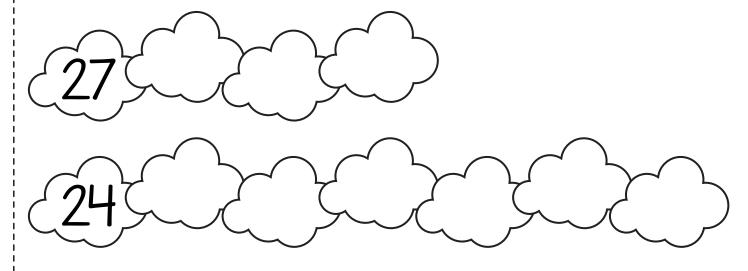
Count on to 10.



Count on to 20.

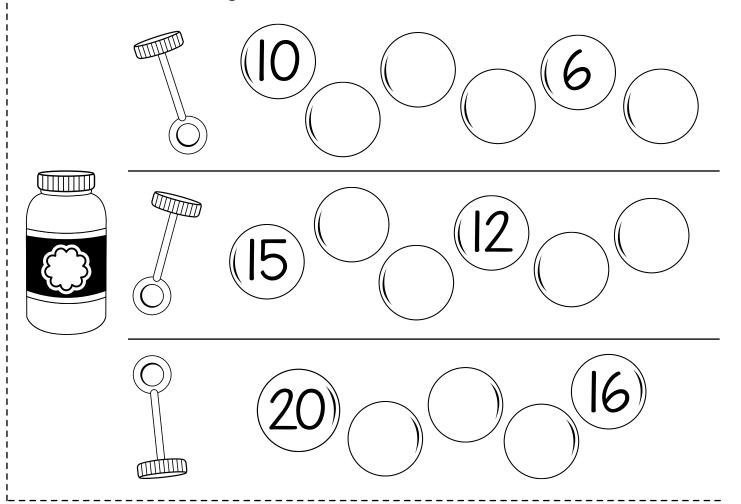


Count on to 30.

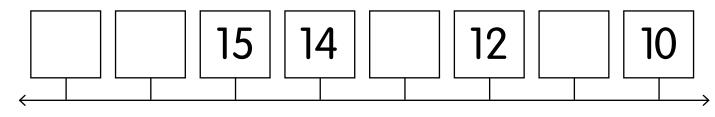


## Counting back from 20

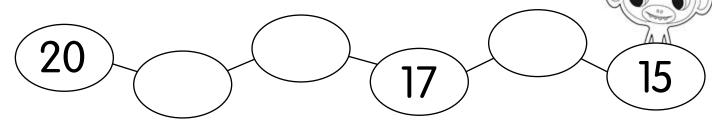
I Write the missing numbers.



2 Complete.



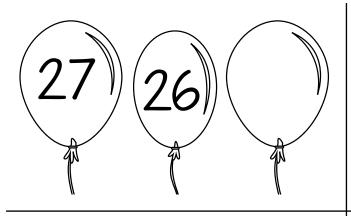
3 Write the missing numbers.

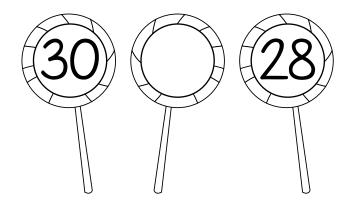


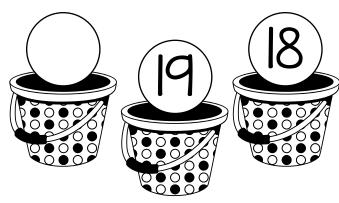
Mango jumps back 4 places. She lands on number \_\_\_\_\_

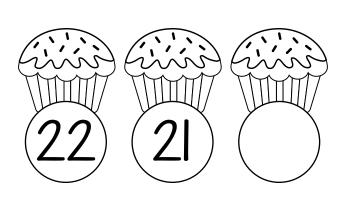
# Counting back from 30

Write the missing numbers.



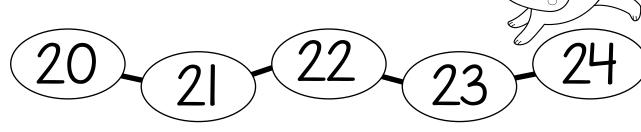






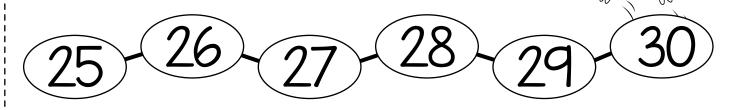
Snowy jumps back 3 spaces.

He lands on number \_\_\_\_\_.



Frog jumps back 4 spaces.

She lands on number \_\_\_\_\_.

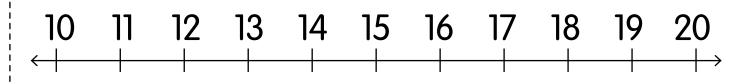


### Before and after



before 15.

after 19.

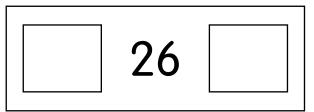


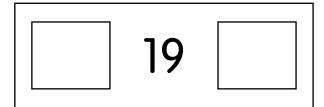
before 29.

after 24.

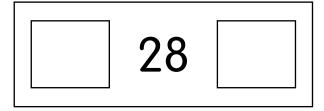


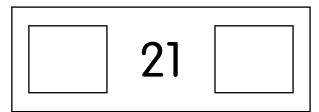
2 Write the numbers that come before and after.



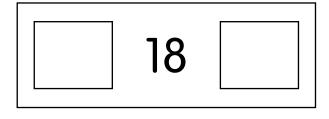


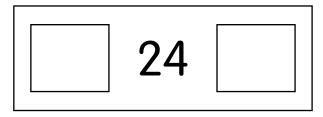
3 Write the numbers that come <u>2 before</u> and <u>2 after</u>.





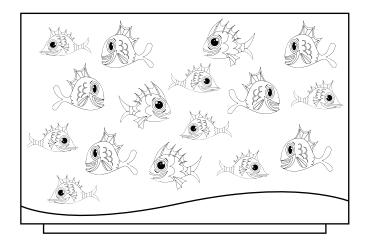
4 Write the numbers that come <u>3 before</u> and <u>3 after</u>.

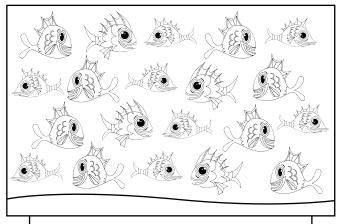




### Comparing

#### Count.



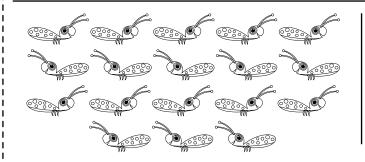


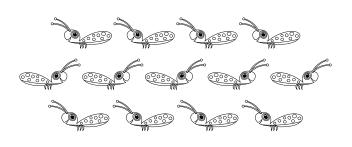
Cross Xout the tank with more fish.

Circle) the group that has fewer.

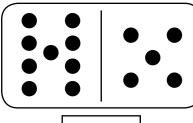


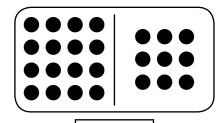


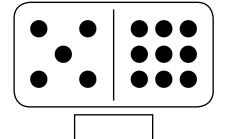




Count the spots.

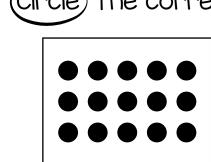




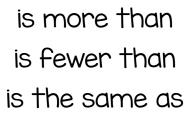


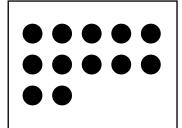
Which dominoes have the same number? Colour them.

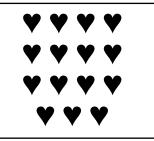
## More, fewer, the same



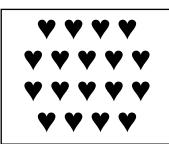
Circle) the correct words.



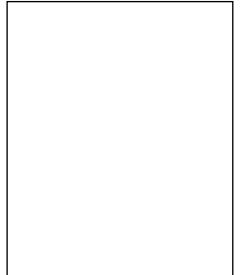




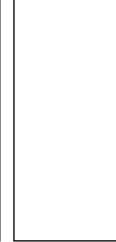
is more than is fewer than is the same as



Mango has 20 bananas.



Draw



fewer bananas.

more bananas.

the same number.

Write a number that is more than 15.

Write a number that is less than 30.

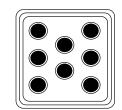


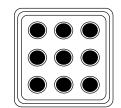
# Comparing numbers

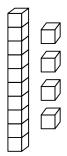
(Circle) the smaller number. Cross Xout the larger number.

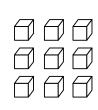




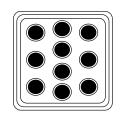




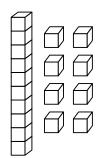


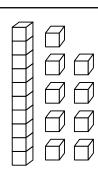




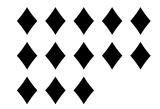


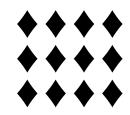












| * | * | * | $\star$ | * |
|---|---|---|---------|---|
| * | * | * | *       | * |
| * | * | * | *       | * |
| * | * | * |         |   |

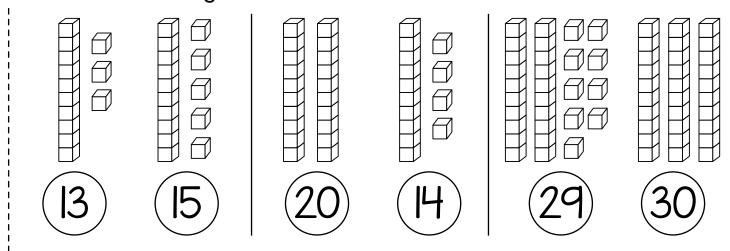
How many stars?

Write a number that is bigger.

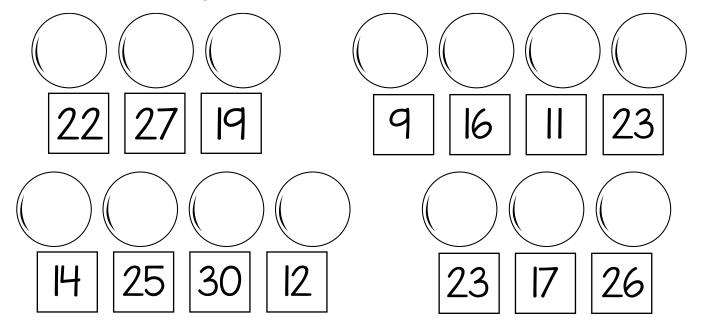
Write a number that is smaller.

|  |  | _ |
|--|--|---|
|  |  |   |
|  |  |   |

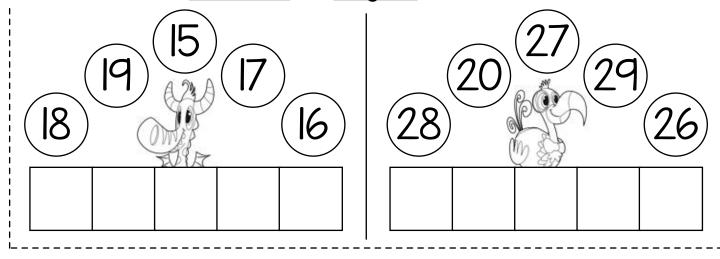
3 Colour the larger number.



4 Order from <u>largest</u> to <u>smallest</u>.



5 Order from smallest to largest.



# Comparing tens and ones



Use tens and ones blocks to make each pair of numbers.

- Draw them.
- Colour the larger number.

and

| ones | tens | ones      |
|------|------|-----------|
|      |      |           |
|      |      |           |
|      |      |           |
|      |      |           |
|      |      |           |
|      |      |           |
|      |      |           |
|      |      |           |
|      | ones | ones tens |

| tens | ones | tens | ones |
|------|------|------|------|
|      |      |      |      |
|      |      |      |      |
|      |      |      |      |
|      |      |      |      |
|      |      |      |      |
|      |      |      |      |
|      |      |      |      |

and | 24 |

and

| tens | ones | tens | ones |
|------|------|------|------|
|      |      |      |      |
|      |      |      |      |
|      |      |      |      |
|      |      |      |      |
|      |      |      |      |
|      |      |      |      |
|      |      |      |      |
|      |      |      |      |

| tens | ones | tens | ones |  |
|------|------|------|------|--|
|      |      |      |      |  |
|      |      |      |      |  |
|      |      |      |      |  |
|      |      |      |      |  |
|      |      |      |      |  |
|      |      |      |      |  |
|      |      |      |      |  |
|      |      |      |      |  |
|      |      |      |      |  |

# Count and compare

Practical

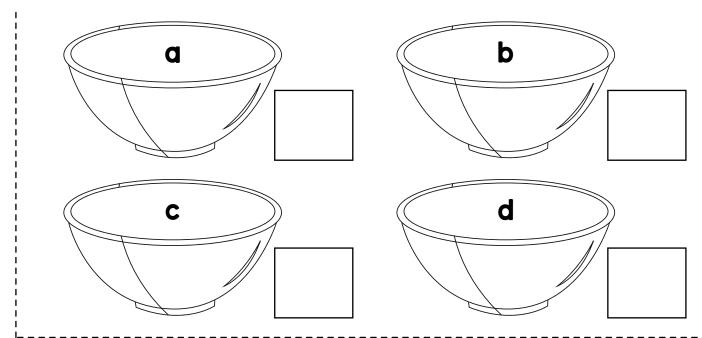
You will need 4 bowls marked a, b, c, d  $\bigcirc$  and counters  $\bigcirc$ .



Put some counters in each bowl. Follow these rules:

- One bowl has the most.
- One bowl has the fewest.
- Two bowls have the same number.

Count. Write the number for each bowl.



Complete.

Bowl

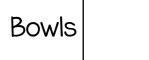


has the most.

Bowl



has the fewest.



and



have the same.

How many groups of 10 can you make?



#### Domino train



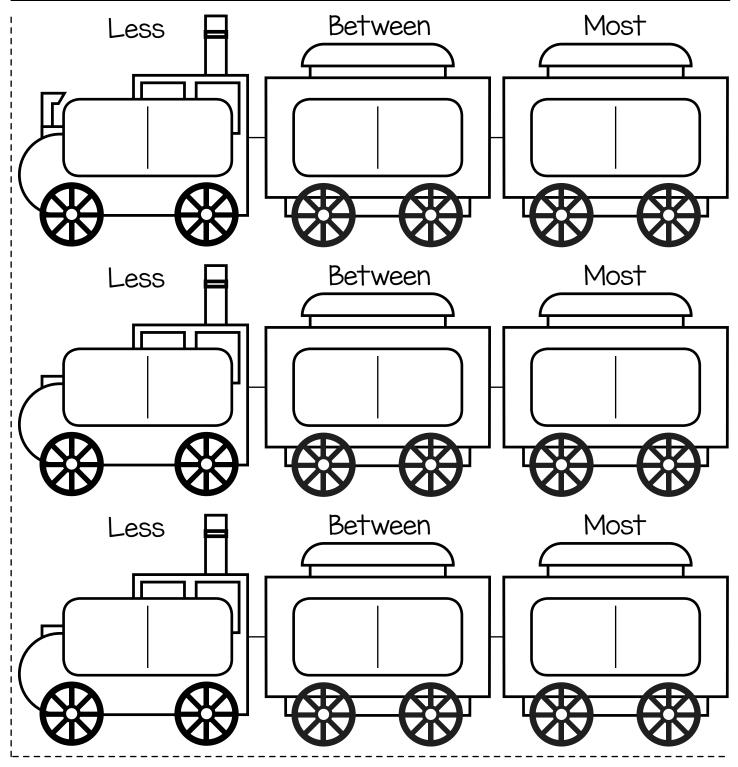
You will need dominoes 👀 and a partner 🛈.

Work with a partner to solve these domino trains.

Use real dominoes or draw your own.

Choose 3 dominoes to complete each train.

Draw your dominoes.

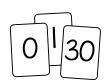


### Order!

Game

You will need

• 2 sets of cards numbered 0-30



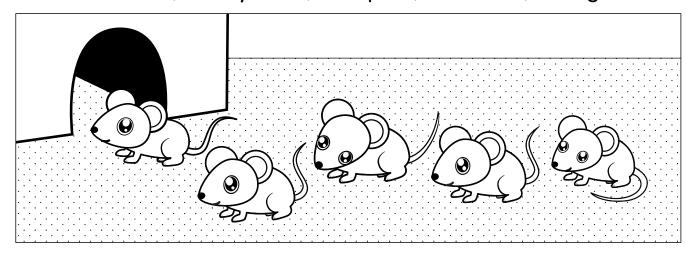
- and a partner ①.
- I Shuffle your partner's cards. Give them back.
- 2 Start at the same time.
- 3 Line up the cards in order, starting from zero.
- 4 Say 'Order!' when you are finished.
- 5 The winner writes their name in the table.

Play games versus a new partner.

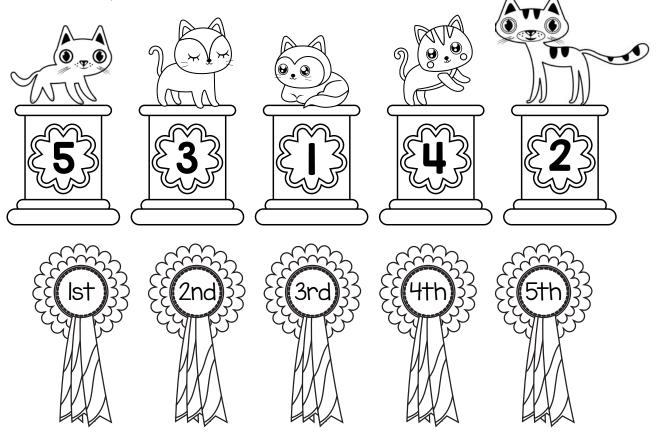
| Game A | Name | Game B | Name |
|--------|------|--------|------|
| I      |      |        |      |
| 2      |      | 2      |      |
| 3      |      | 3      |      |
| 4      |      | 4      |      |
| 5      |      | 5      |      |
| 6      |      | 6      |      |
| 7      |      | 7      |      |
| 8      |      | 8      |      |

### Ordinal numbers 1st to 5th

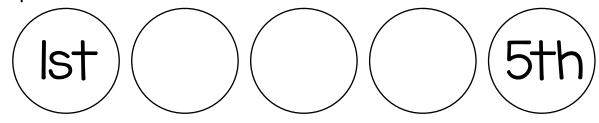
Colour 1st red, 2nd yellow, 3rd pink, 4th blue, 5th green.



2 Match the prize ribbon to each cat.



3 Complete.



#### 4 Draw a:



in 4th place.



in 3rd place.



in 2nd place.



in 1st place.



in 5th place.

4

2

3

5

5 Complete.



Mango



Dizzy



Ruby



Waldo



Doc

Who came first?

Who came second? \_

Who came third?

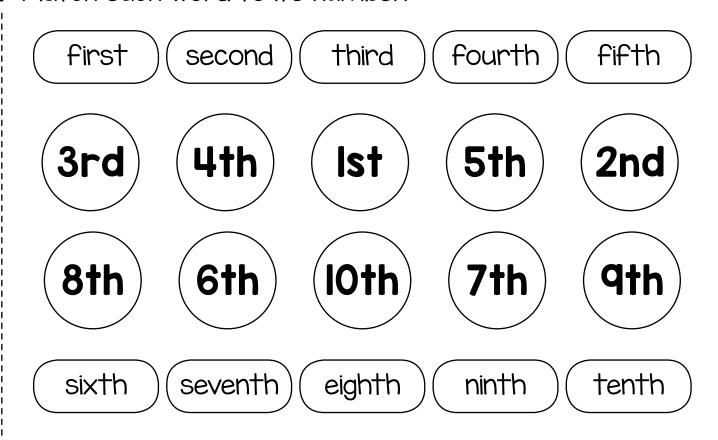
Who came fourth?

Who came fifth?

\_\_\_\_

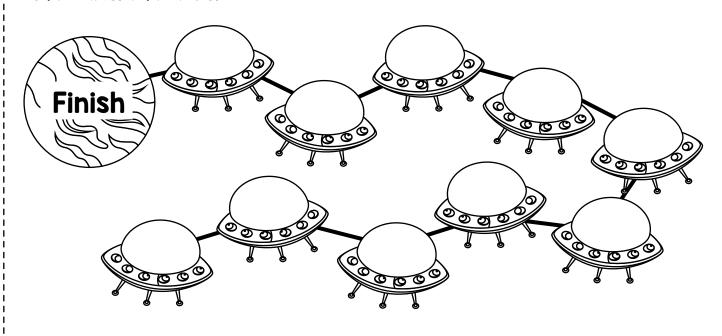
#### Ordinal numbers 1st to 10th

Match each word to its number.

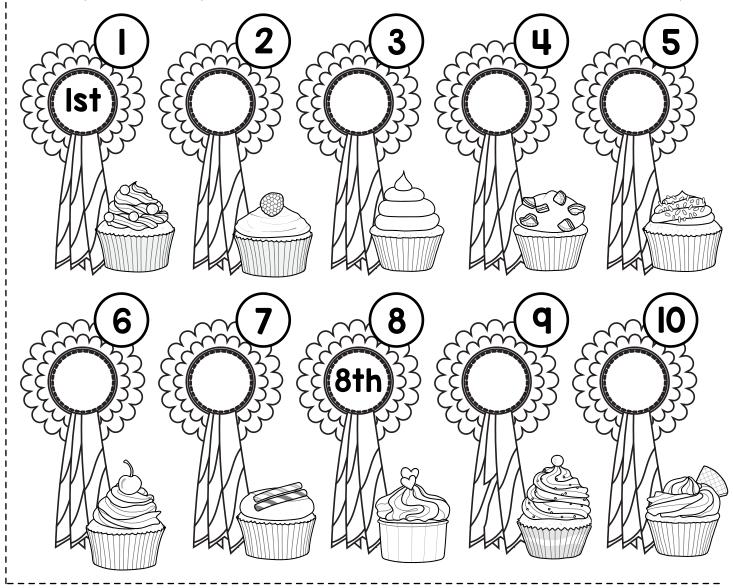


#### 2 Colour.

3rd and 6th green 1st and 10th yellow 5th and 7th red 2nd and 9th blue 4th and 8th orange



3 Complete the prizes for the cake contest.



4 (Circle) the answers.

Which cake came first?







Which cake came last?







Which cake came fourth?

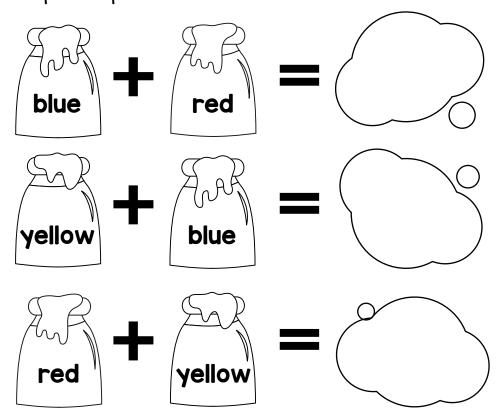




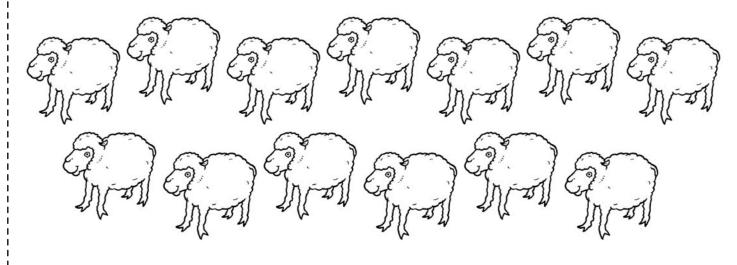


#### Colours

Colour the paint pots. Then colour the answer.



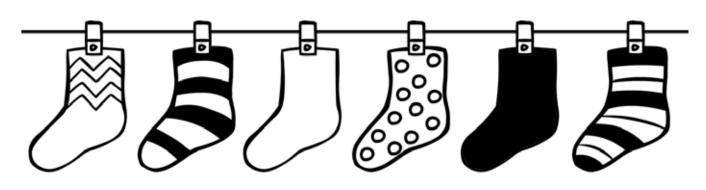
2 Colour. 2 red sheep, 2 blue sheep, 3 orange sheep, 3 green sheep, 1 yellow sheep, 2 purple sheep.



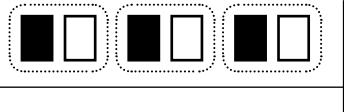
- 3 How many sheep?
- 4 Write the number word.

## Finding patterns

Colour the socks with patterns on them.



Circle) the patterns. Colour them.











Which lines show a pattern? Colour the patterns.

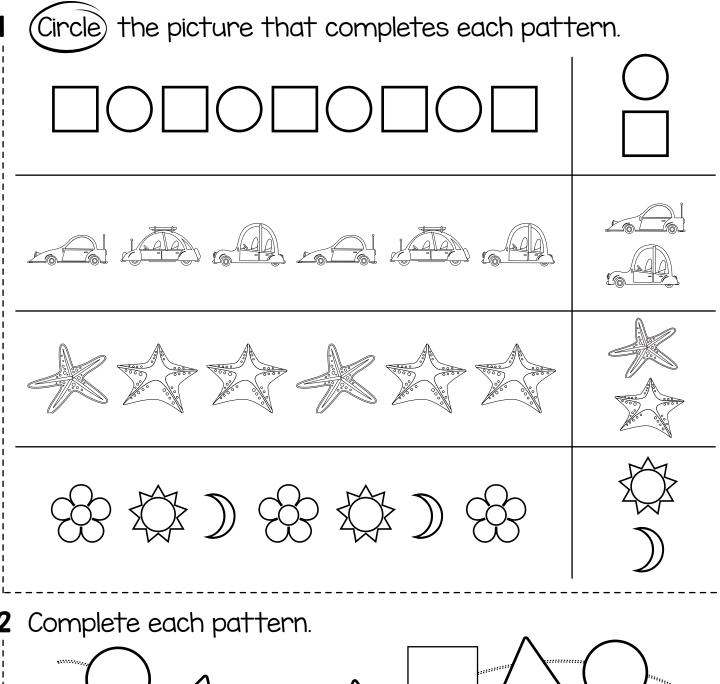






| 4 Are these patterns the same? (Circle) yes or no. |
|--|
|  |
|  |
| 数数数数 yes no  |
| 5 Copy the pattern. Draw the next shape.           |

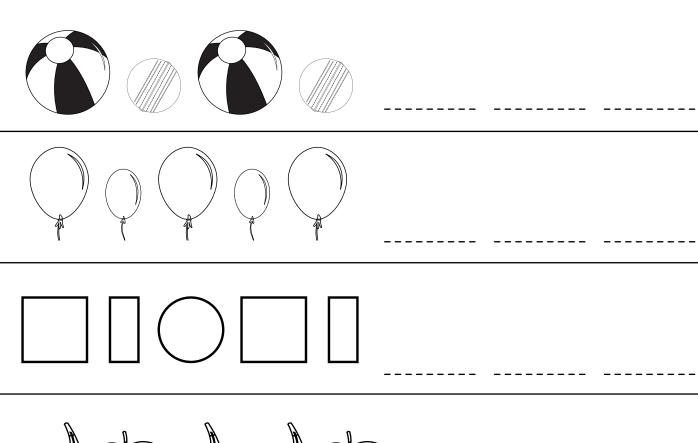
## Completing patterns



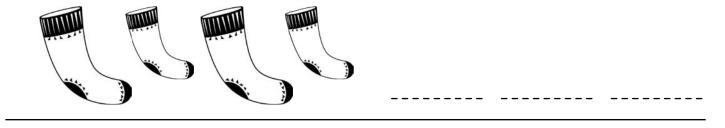
Draw the missing shapes in each row. 4 Complete Doc's patterns.

# Continuing patterns

Draw the next 3 items in the pattern.



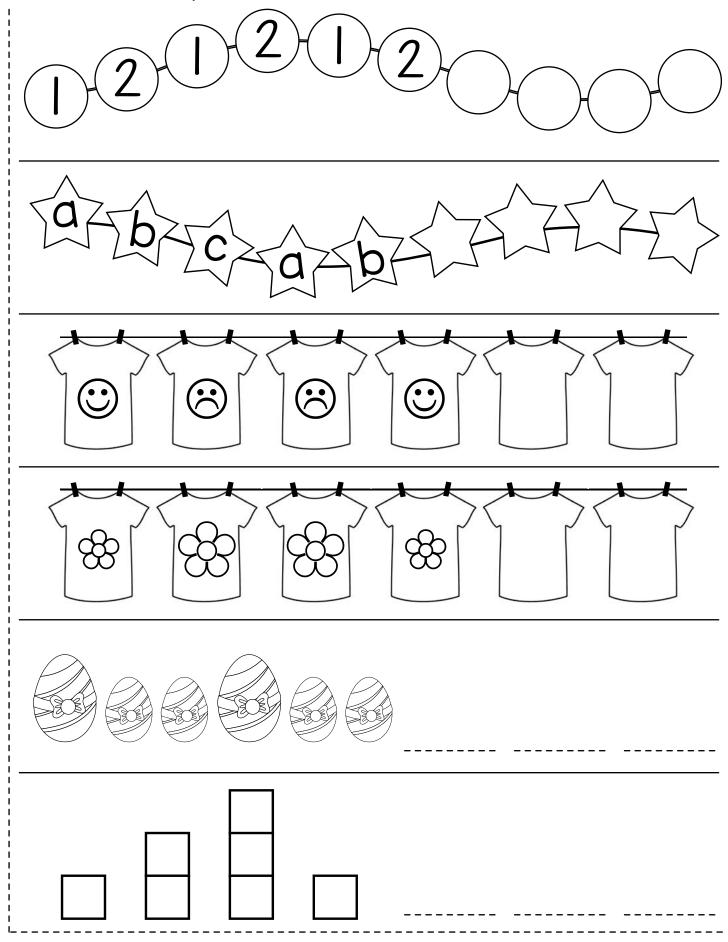






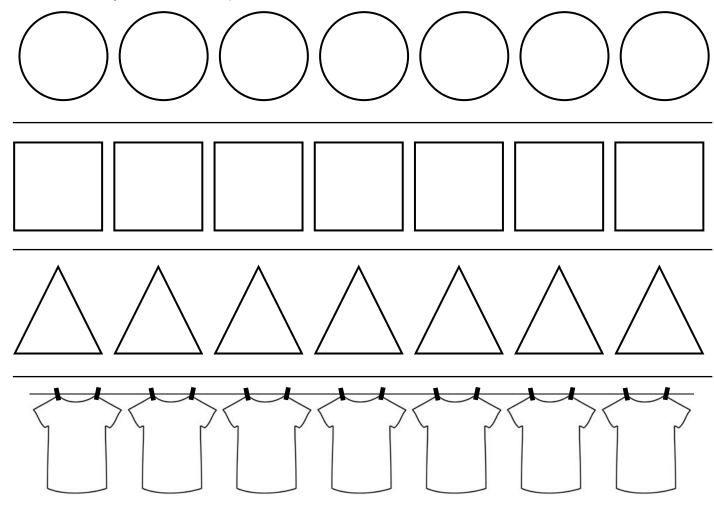


2 Continue the pattern.



# Making patterns

Colour your own patterns.



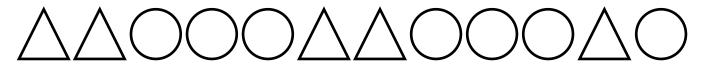
2 Make shape patterns using these shapes.



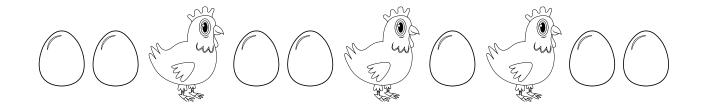
| 3             | Colour the scarf using each colour pattern. red, yellow |        |       |       |       |                |  |  |  |      |  |
|---------------|---|--------|-------|-------|-------|----------------|--|--|--|------|--|
|               |   |        |       |       |       |                |  |  |  |      |  |
| <br>          | red, re   | d, ye  | ellow |       |       |                |  |  |  |      |  |
|               |   |        |       |       |       |                |  |  |  |      |  |
| 1 1 1 1 1 1 1 | red, ye   | ellow, | yello | )W    |       |                |  |  |  |      |  |
| <br>          |   |        |       |       |       |                |  |  |  |      |  |
| 1 1 1 1 1 1   | red, ye   | ellow, | gree  | en    |       |                |  |  |  |      |  |
|               |   |        |       |       |       |                |  |  |  |      |  |
| <u>.</u><br>4 | Colour  | your   | OWI   | n pat | tterr | <br><b>1</b> . |  |  |  | <br> |  |
|               |   |        |       |       |       |                |  |  |  |      |  |

## Fixing and describing patterns

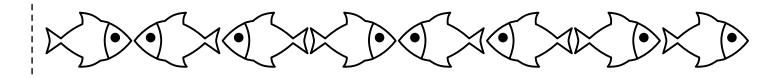
I Fix each pattern. Circle what is wrong.



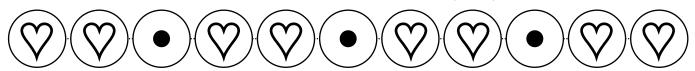
Draw the pattern correctly.



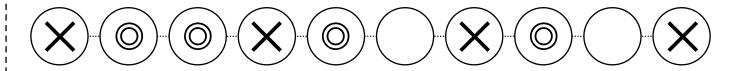




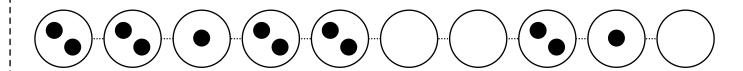
The pattern on these beads is always  $\heartsuit$ 



Draw the missing beads.

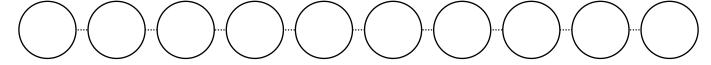


Describe the pattern.



Describe the pattern.

Draw your own pattern.



Describe the pattern.

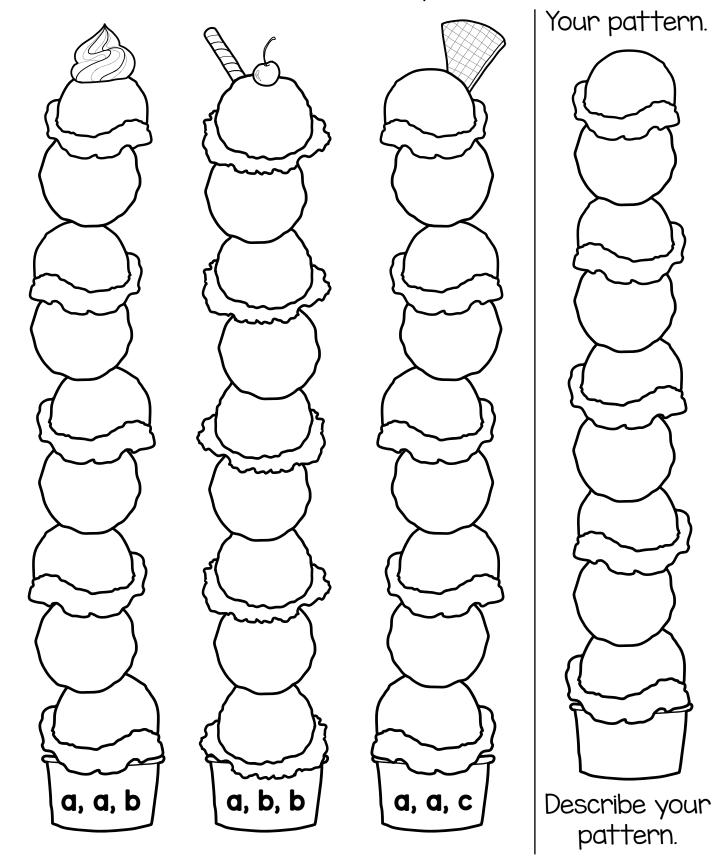
## Ice-cream patterns

Investigate

Ice-cream flavours:

apple = green, banana = yellow, chocolate = brown.

Colour the ice-creams. Follow the pattern.



#### What comes next?

Activity

Draw the pictures to complete each pattern.

