Mathseeds

SUMMER

Get ready for fun in Grade 3!

Math Catch-up • Week 1

BETWEEN GRADES 2 AND 3

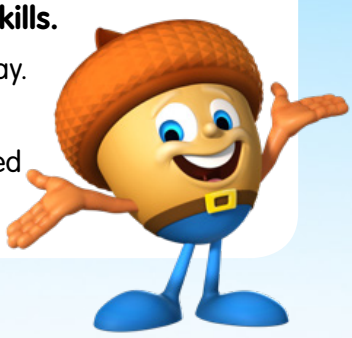
www.mathseeds.com

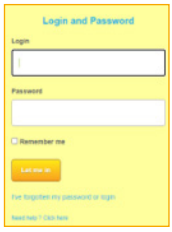
Welcome!

This summer catch up program provides a great way to help your child make the successful transition into 3rd Grade. Using fun-filled online learning activities, combined with carefully selected printed activity sheets, this program will boost your child's math skills.

Bridging the gap is simple with **Mathseeds** and can be done in just half an hour a day. So, let's maximize the summer and get started today!

The outline for each week will tell you the online lessons and worksheets to be completed each day, as well as additional **Mental Minute** and **Driving Test** quizzes.





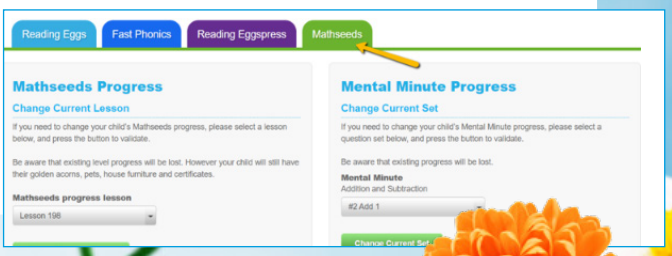
Login

Login in with your parent email and password. If you are unable to remember either of these, please select the *I've forgotten my password or login button* and follow the steps.

To help you navigate through the site we have listed a few steps below. For more information on the program please see our *Parent User Guide*. This can be found on the Family Dashboard in Bonus Material.

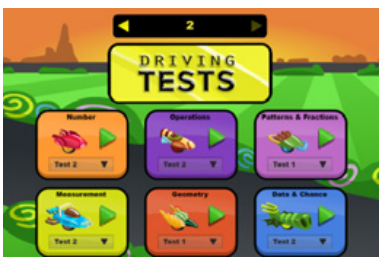
If your child is not working at the correct level you can adjust it by clicking here.

Select the program that you wish to adjust your progress for, then use the dropdown menus to adjust.



The **Mental Minute** section is on the student navigation page. There are two sections, the + and – section, and the x and ÷ section. If you need to adjust the progress of the **Mental Minute** sprints you can do so in *Redo placement test or adjust level* as shown above.

Driving Tests can also be found on the Student Navigation screen. Choose the suggested grade level and math topic to work in.



Your child is now ready to begin!

Let's start Week 1

The team behind Mathseeds have created this Summer School program that is guaranteed to boost your child's mathematics skills.

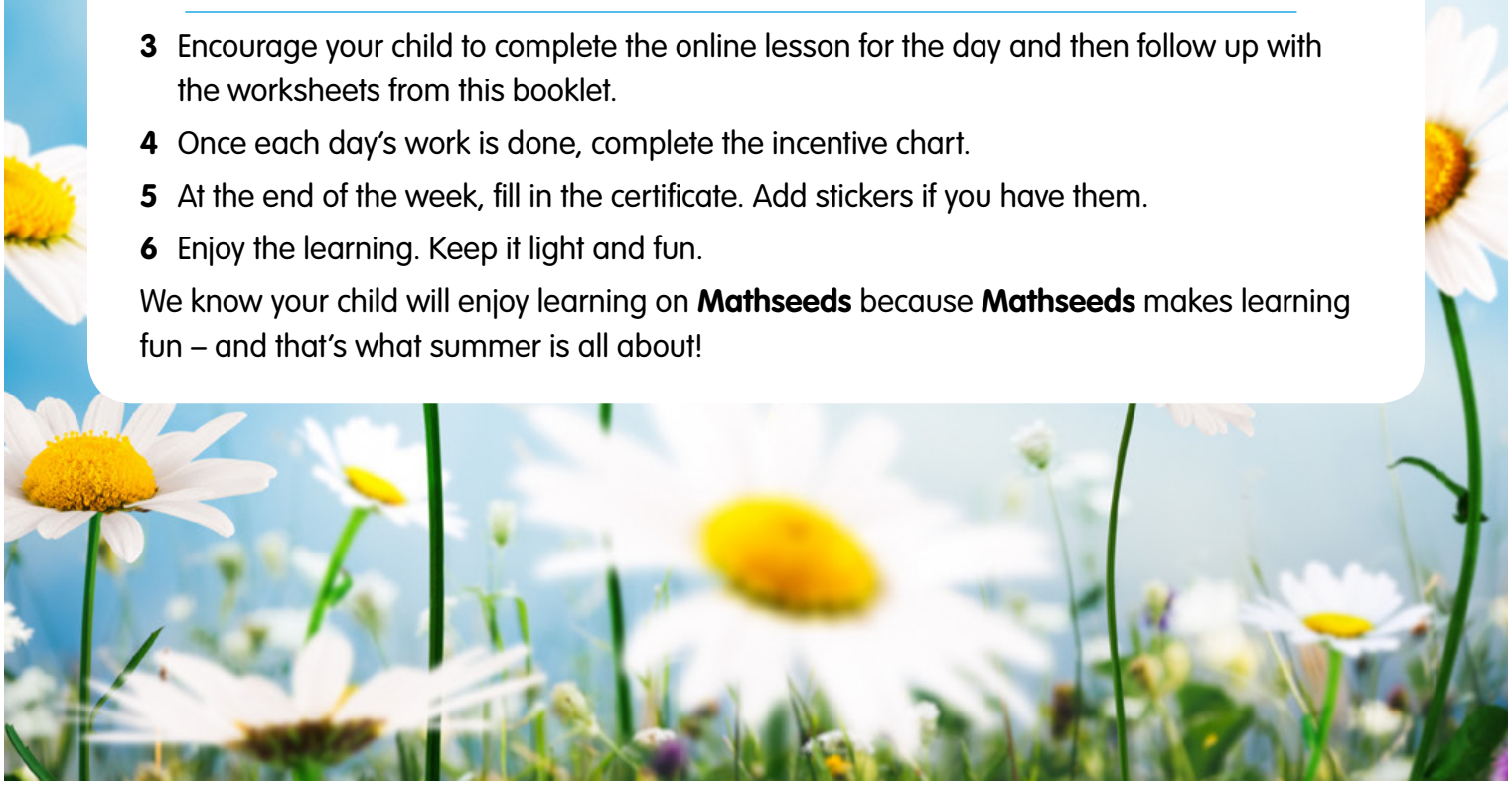
This booklet is the first of ten weekly booklets you will receive over the summer. This summer catch up program provides a great way to make sure that your child knows the essentials they need to make a successful transition into Grade 3.

Over the next 10 weeks, your child will have the opportunity to engage in fun-filled, online learning activities. These activities will allow your child to revisit, consolidate, and build crucial Grade 2 math concepts. In addition, each weekly packet contains a set of carefully selected activity sheets to really boost your child's math skills, getting them ready and excited for Grade 3!

Bridging the gap and avoiding the summer slump is simple with **Mathseeds**, and can be done in just half an hour a day. We recommend you follow these simple steps to keep your child learning through the summer whilst still having fun.

1. Print the student pages for the week. Ensure your child has pencils and erasers to complete the worksheets.
2. To reset your child's Lesson number to **110** go to the *Family Dashboard*.
   - 👉 Click on the **Adjust level** link.
   - 👉 Choose the **Mathseeds** tab and set the **Change Current Lesson** to **Lesson 110**.
   - 👉 Click on **Change Current Lesson** to place your child correctly.
3. Encourage your child to complete the online lesson for the day and then follow up with the worksheets from this booklet.
4. Once each day's work is done, complete the incentive chart.
5. At the end of the week, fill in the certificate. Add stickers if you have them.
6. Enjoy the learning. Keep it light and fun.

We know your child will enjoy learning on **Mathseeds** because **Mathseeds** makes learning fun – and that's what summer is all about!



Get Ready for Grade 3

Week 1

Day 1 focus: Subtraction Jump Strategy
Online lesson: Lesson 110 – Subtraction: jump strategy
Worksheets: Jump Back to Subtract, Jump Strategy

Day 2 focus: Sharing 2
Online lesson: Lesson 111 – Sharing 2
Worksheets: Sharing Equally, Sharing Problems

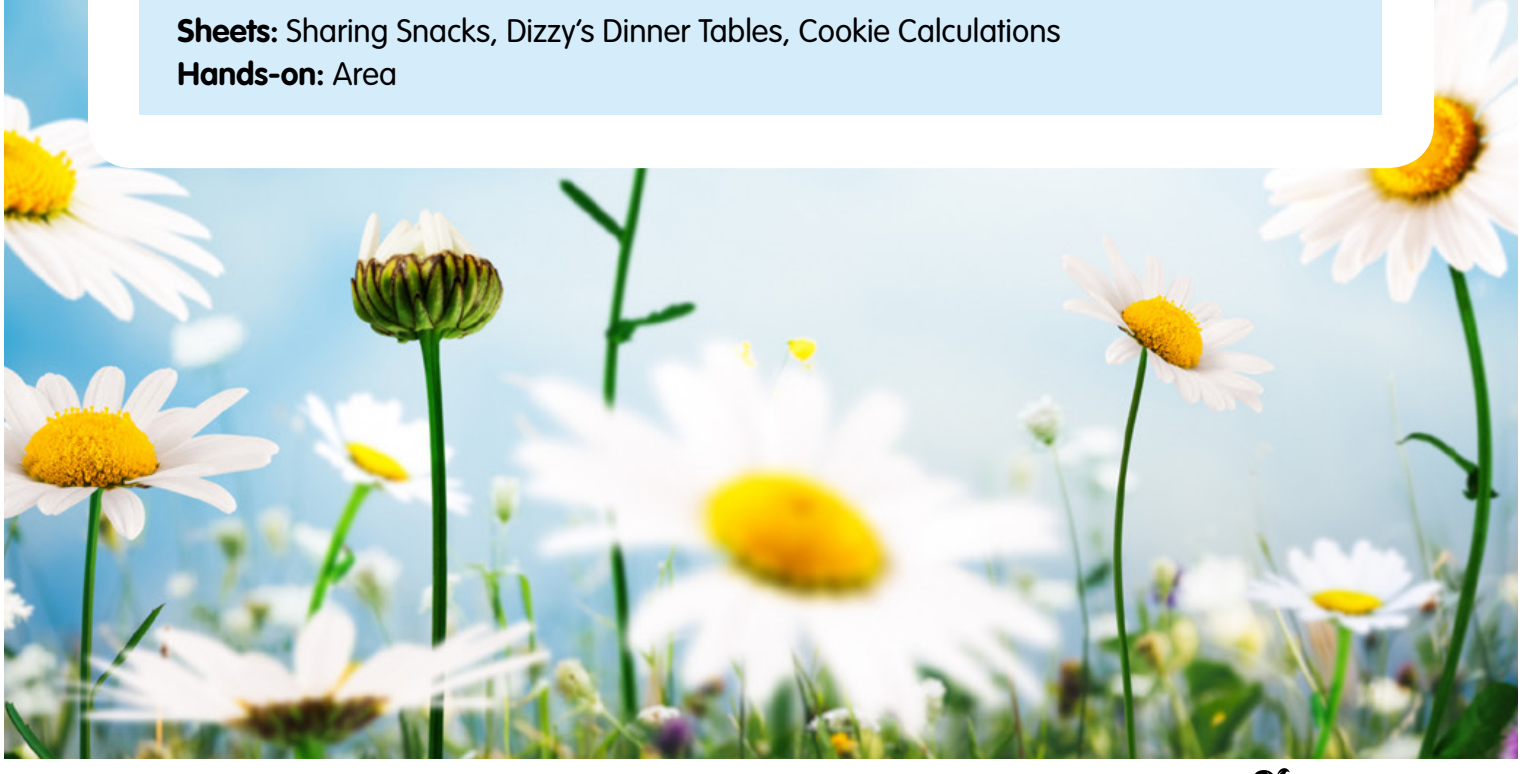
Day 3 focus: Area in Squares
Online lesson: Lesson 112 – Area 2
Worksheets: Compare Areas, Equal Areas

Day 4 focus: Grouping 2
Online lesson: Lesson 113 – Grouping 2
Worksheets: Repeated Addition, Repeated Addition Problems

Day 5 focus: Quarter Hours
Online lesson: Lesson 114 – Quarter hours
Worksheets: Telling Time, Quarter Hour Times

Week 1 Bonus

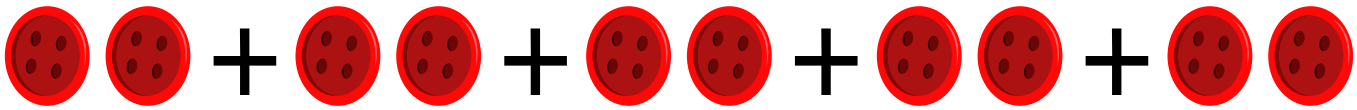
Poster: Repeated Addition
Online: Mental Minute + – Badges 83, 84, Driving Tests Grade 2 Operations 1–6 and Measurement 1–7
Sheets: Sharing Snacks, Dizzy's Dinner Tables, Cookie Calculations
Hands-on: Area

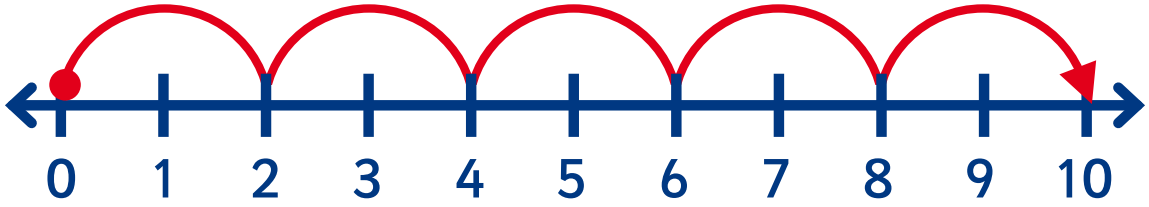


Repeated Addition

$2 \times 5 =$

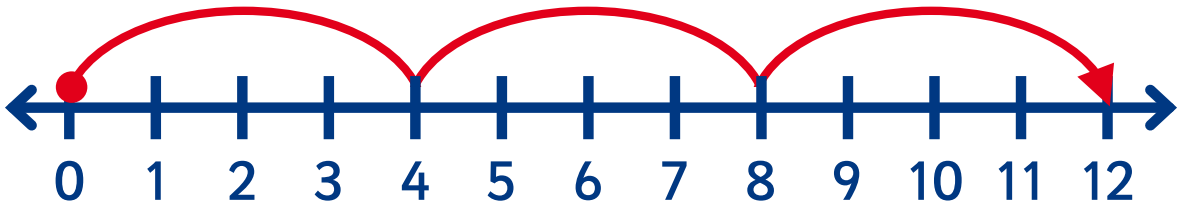
$2 + 2 + 2 + 2 + 2 = 10$





$4 \times 3 =$

$4 + 4 + 4 = 12$



Incentive chart for:

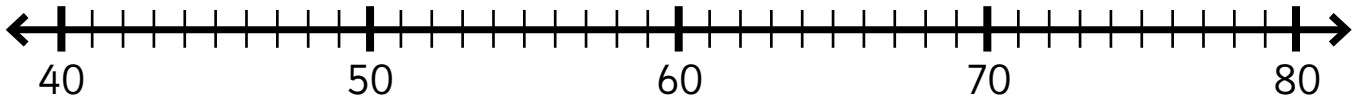
Color each one when you have completed each day's work.

Week 1	Monday	Tuesday	Wednesday	Thursday	Friday
Online Lesson	110	111	112	113	114
Worksheets					
Day Done!					

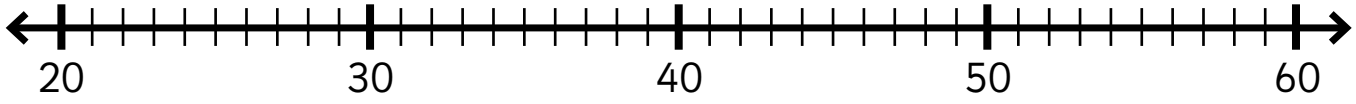
Notes/thoughts/ideas

1 Use the number lines to jump back by tens and ones.

75 – 24 = ☐

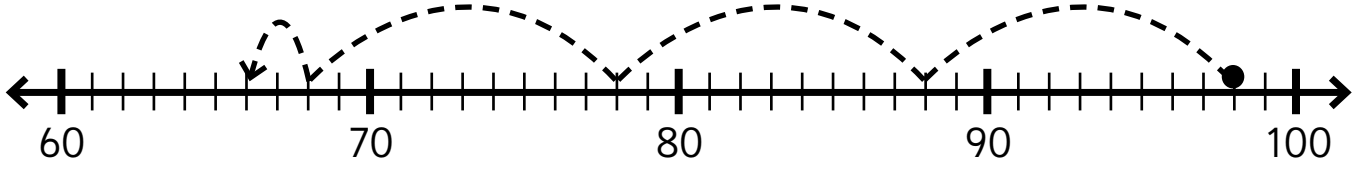


59 – 35 = ☐

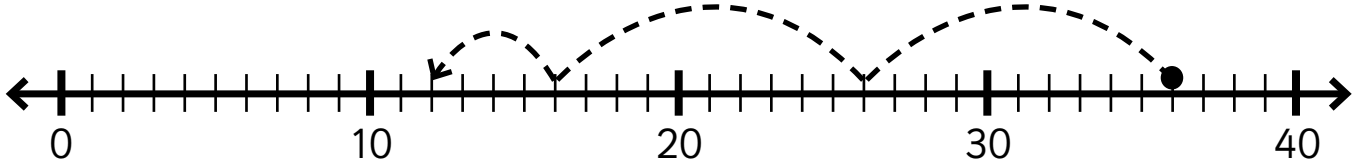


2 Fill in the missing numbers.

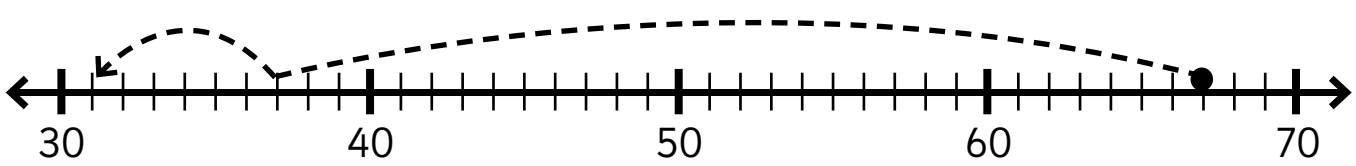
98 – ☐ = ☐



☐ – ☐ = ☐



☐ – ☐ = ☐



1 Fill in the missing numbers.

eg 88 – 35
80 – 30 = 50
8 – 5 = 3
88 – 35 = 53

45 – 23
40 – 20 = _____
5 – 3 = _____
45 – 23 = _____

66 – 26
60 – _____ = _____
_____ – 6 = _____
66 – 26 = _____

97 – 64
_____ – _____ = _____
_____ – _____ = _____
_____ – _____ = _____

2 Use the frames to subtract.

Tens	Ones
9	5
– 7	2

Tens	Ones
7	7
– 4	3

Tens	Ones
4	9
– 2	5

Tens	Ones
8	6
– 3	1

Tens	Ones
5	5
– 1	4

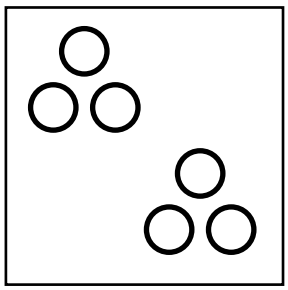
Tens	Ones
6	8
– 5	7

3 Subtract tens, then ones to find the answers.

39 – 31 = _____ 58 – 45 = _____ 76 – 55 = _____

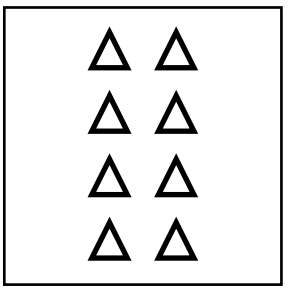
47 – 36 = _____ 89 – 42 = _____ 100 – 42 = _____

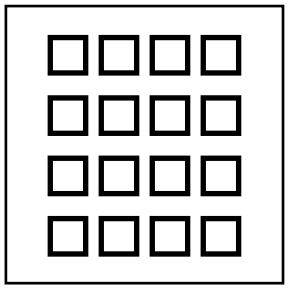
1 Match.



2 groups of 3

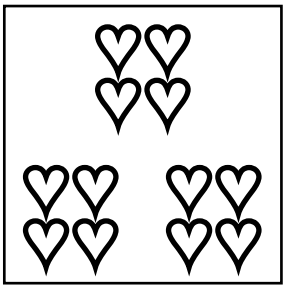
2 rows of 5

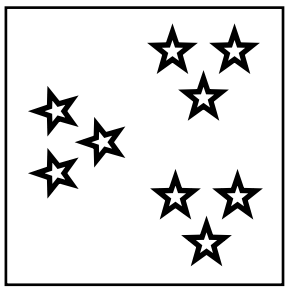




4 rows of 2

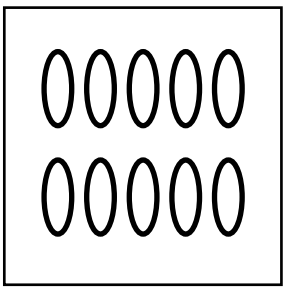
3 groups of 3



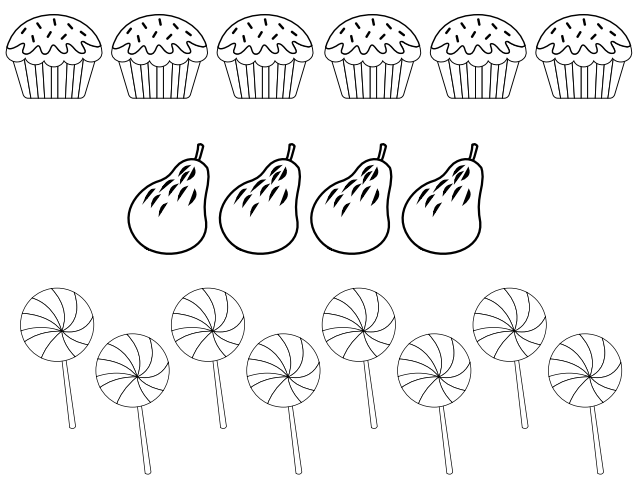


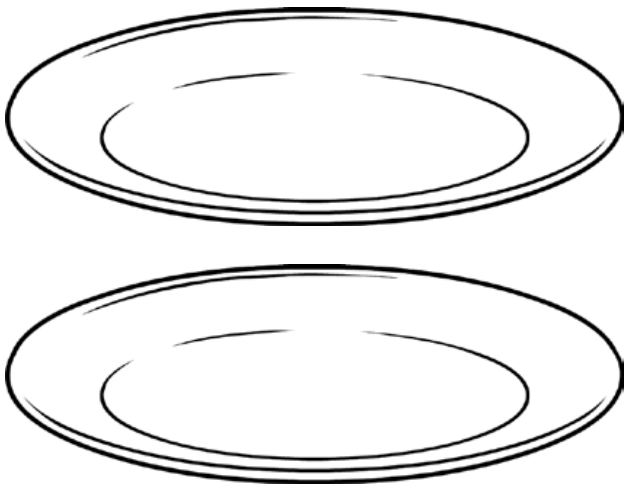
4 rows of 4

3 groups of 4



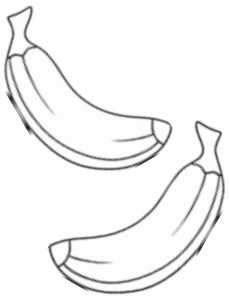
2 Share equally. Draw the food on each plate.





Draw the problem. Find the answer.

1 Mango has 12 bananas. She shares them equally between Ruby, Waldo, Doc, and herself. How many each?



12 bananas shared between 4 people = ☐ each

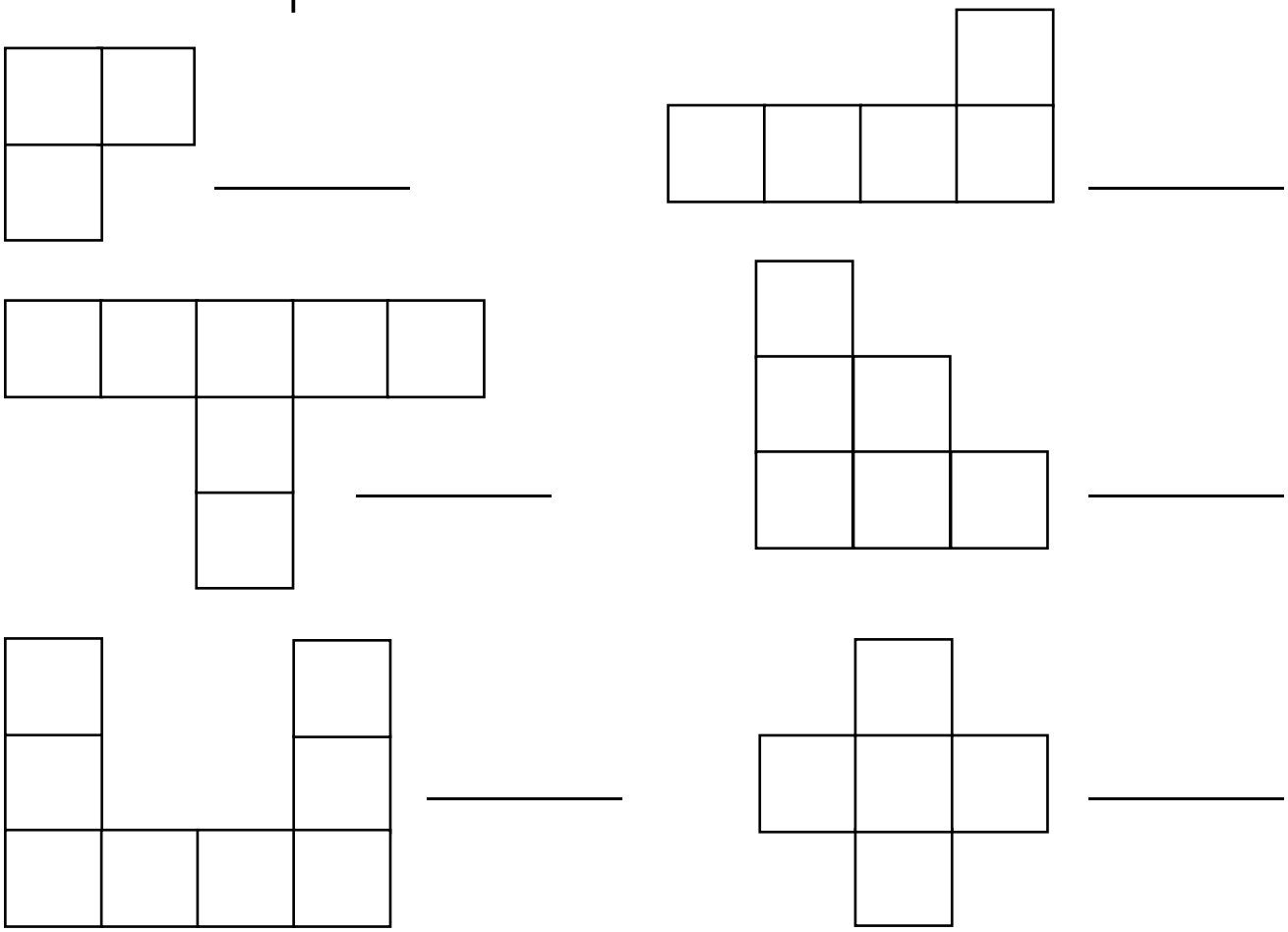
2 Dizzy has 15 crackers. He puts them into bags of 3 each. How many bags of crackers does he have?

15 crackers shared into groups of 3 = ☐ each

3 Ruby has 4 plates. There are 4 cakes on each plate. How many cakes altogether?

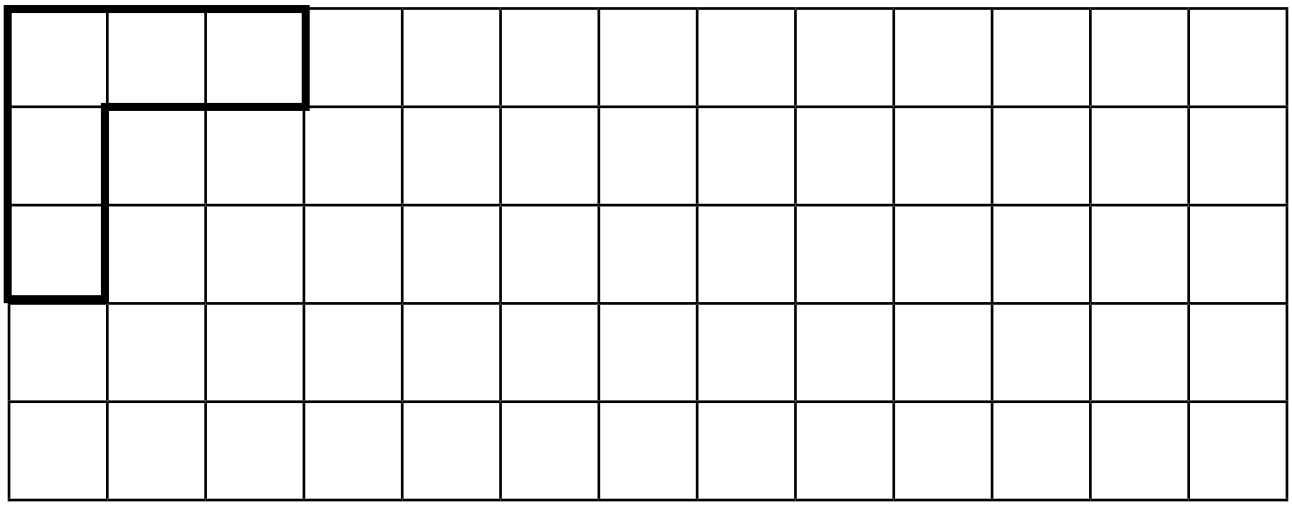
4 groups of 4 cakes = ☐ altogether

1 Count the squares.

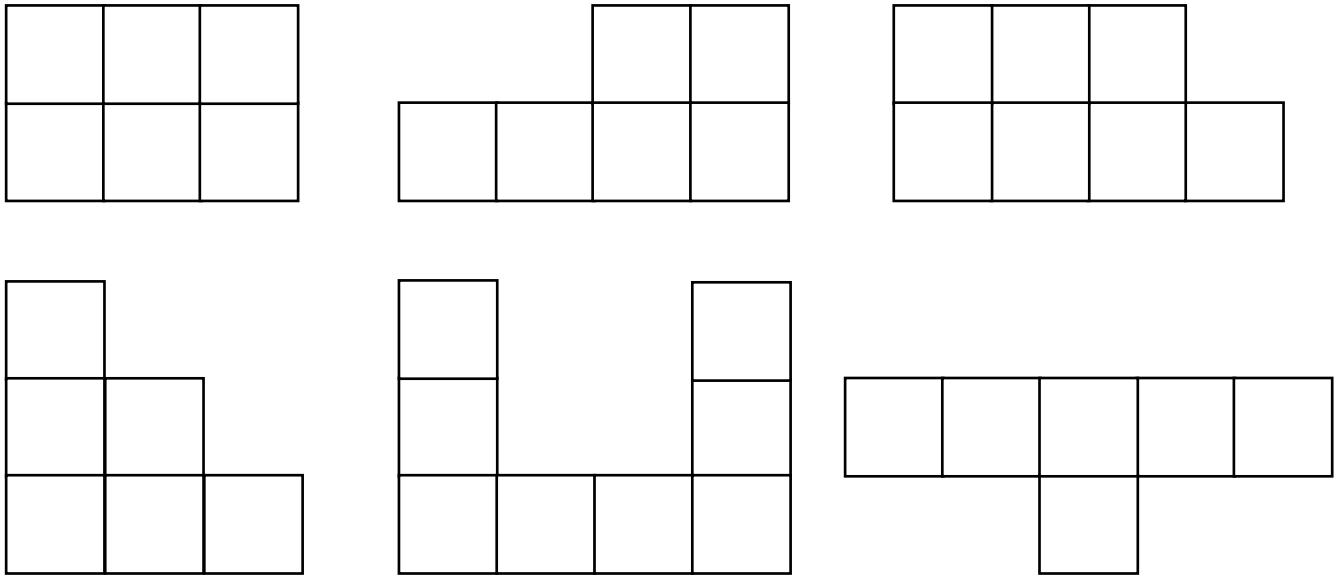


2 Color the biggest area orange. Color the smallest area purple. Find two shapes with the same area. Color them green.

3 Draw a larger shape in blue. Draw a smaller shape in red.

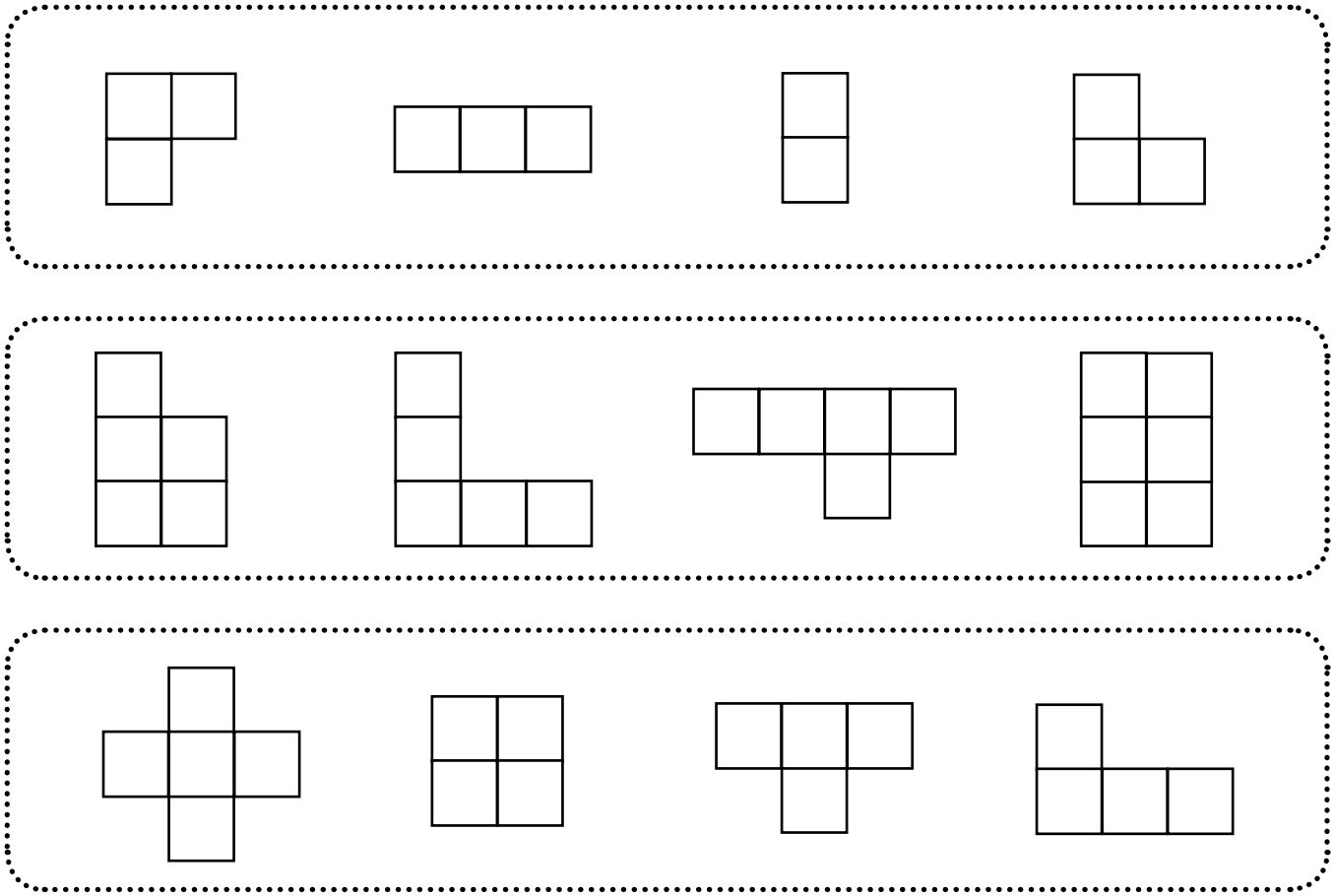


1 **a** Color the shapes with the same area yellow.

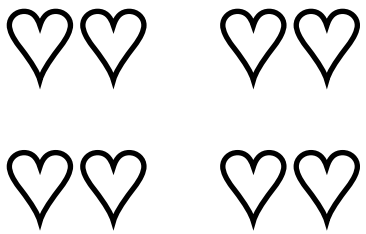


b Add one square to make the other two shapes the same area.

2 Circle the odd one out in each row.

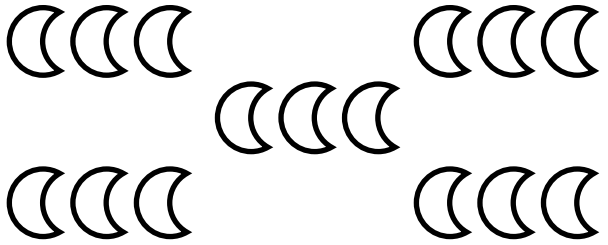


1 Find the answer.

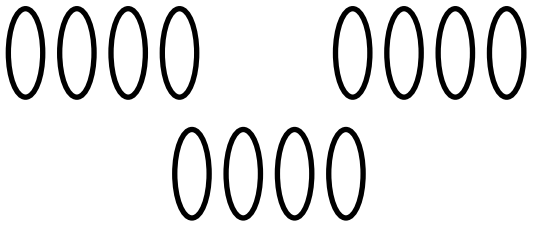


2 + 2 + 2 + 2 = _____

5 + 5 + 5 = _____

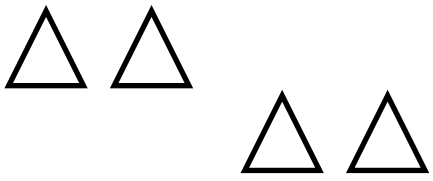


3 + 3 + 3 + 3 + 3 = _____

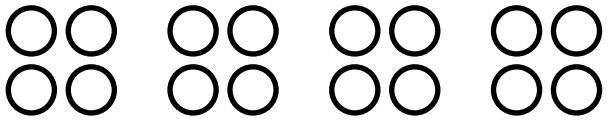


4 + 4 + 4 = _____

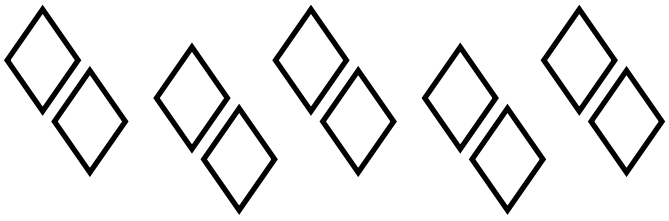
2 Write the repeated addition sum. Find the answer.



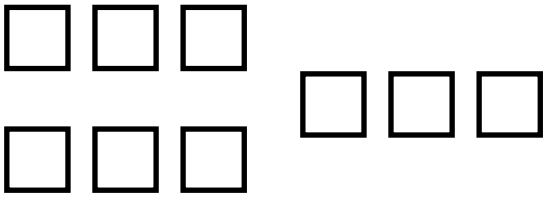
_____ = _____



_____ = _____



_____ = _____



_____ = _____

Find the answer. You can draw the problem, write a repeated addition sum or use a number line.

1 Dizzy has three plates with four cakes each.

How many cakes altogether? ☐

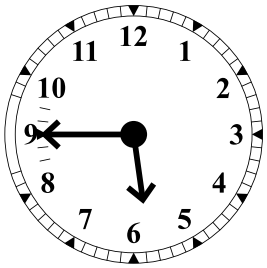
2 Ruby has four boxes. There are four bows in each box.

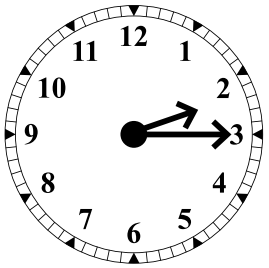
How many bows altogether? ☐

3 Waldo makes six piles of two balls each.

How many balls altogether? ☐

1 Match.



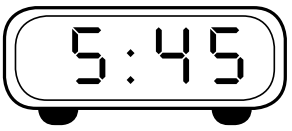


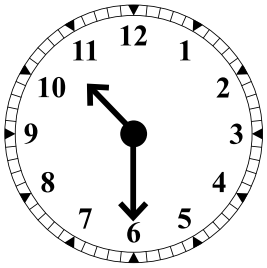
quarter to six

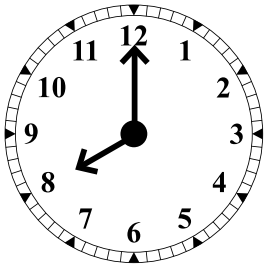
eight o'clock

quarter after two

half past ten

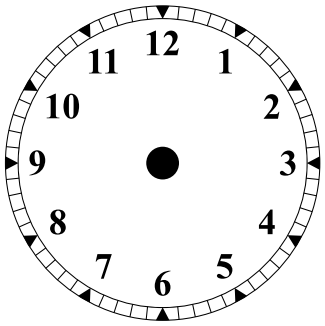


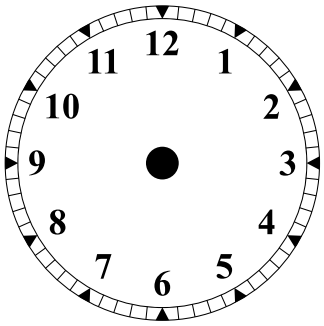


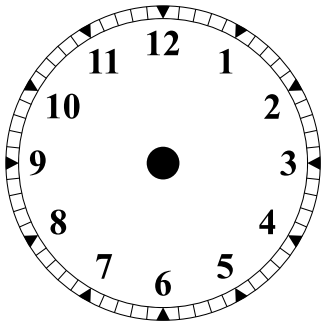


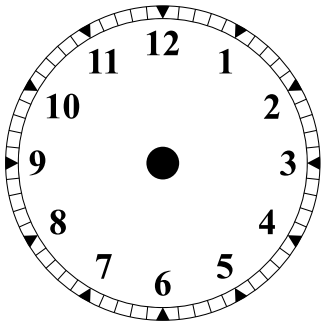
2 Fill in your times.

When does school start?	What time is lunch?	When does school end?	What time is bedtime?
_____	_____	_____	_____

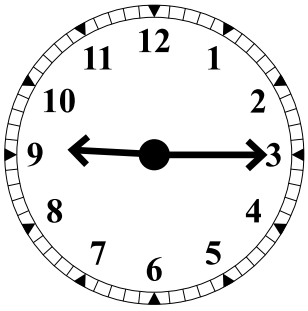




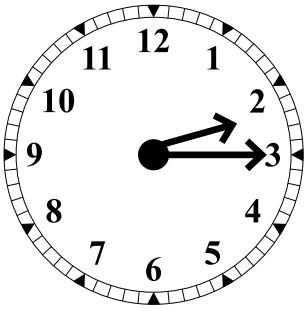




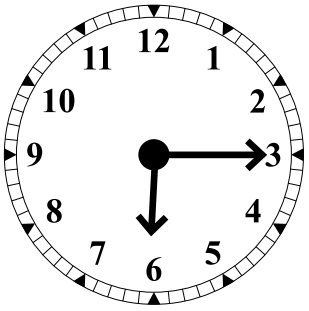
1 What time is it?



quarter past ____



quarter after ____

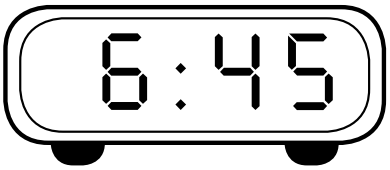


quarter past ____

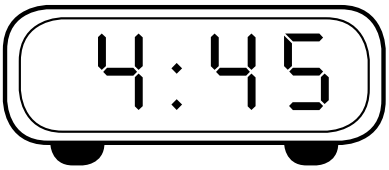
quarter after ____

quarter past ____

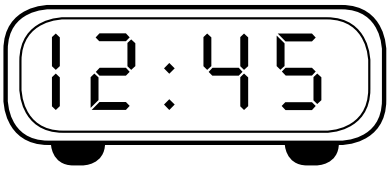
quarter after ____



quarter to ____

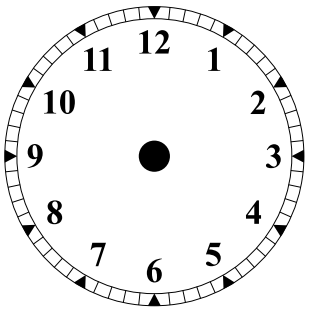


quarter to ____

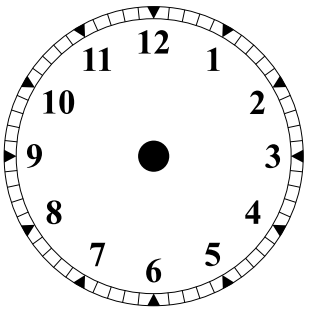


quarter to ____

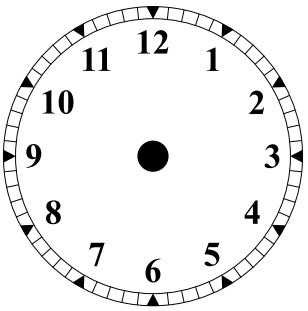
2 Show the time on the clock.



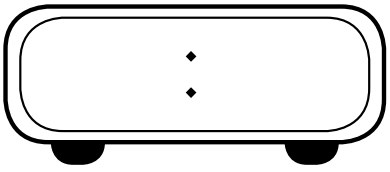
quarter to twelve



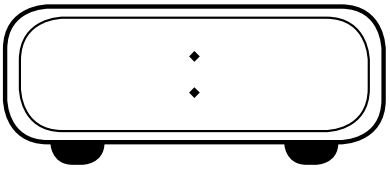
quarter to four



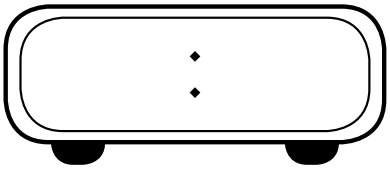
quarter to eight



quarter to two

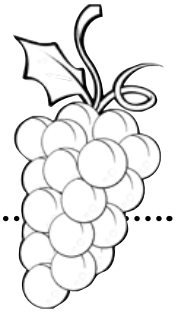


quarter to nine



quarter to six

1 Ruby shared 15 grapes equally with Dizzy and Doc. How many grapes did they each get?



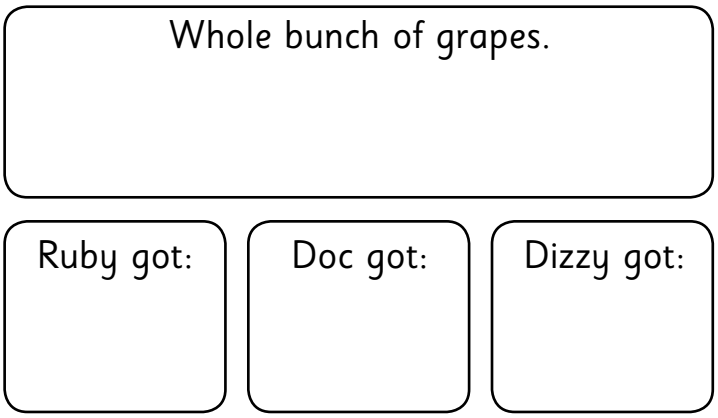
a Underline the question. **b** Circle the facts.

c Draw a picture to show how Ruby shares the grapes.

d They got _____ grapes each.

2 **a** Use the part-part-whole diagram to show how Ruby shares the grapes.

b They got _____ grapes each.



3 **a** You used two strategies to solve this problem. Which do you prefer? Why?

_____

_____

b Can you think of any other strategies you could have used for this problem?

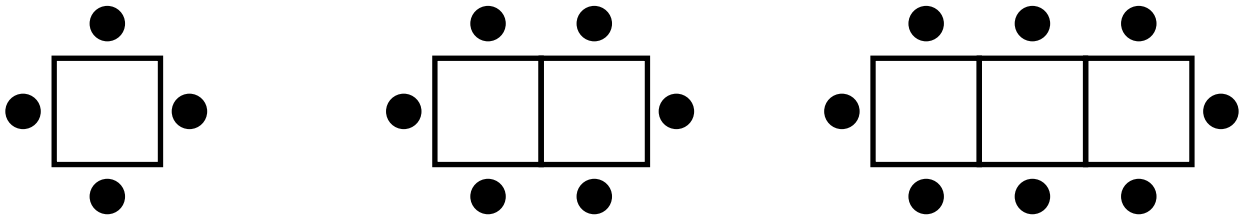
_____

_____

1 Dizzy is putting small tables together to make larger tables. One table can have 4 people around it, one on each side. Two tables joined together hold 6 people. Three tables can have 8 people. How many people can fit if he uses five tables?

a Underline the question. **b** Circle the facts.

c Complete the picture to solve this problem.



1 table 2 tables 3 tables

4 tables

5 tables

d 5 tables can hold _____ people.

2 **a** How many people fit at 8 tables? _____

Tables	1	2						
People	4							

b What is the rule in the bottom row? _____

c 9 tables can hold _____ people.

1 Waldo is baking cookies. He can fit 4 cookies on a tray. He makes 3 trays of cookies. How many cookies altogether?

a Underline the question. **b** Circle the facts.

c Draw the trays of cookies Waldo made.

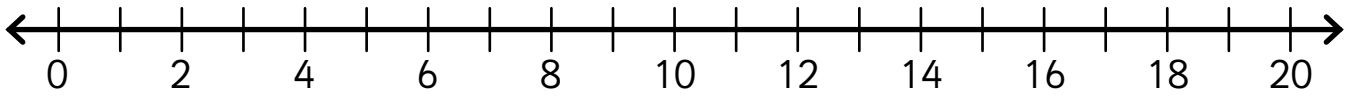
d Waldo made _____ cookies.

e Write it as a number sentence. _____

2 Waldo made some more cookies. This time he baked 5 trays of 4 cookies each. How many cookies in total?

a Underline the question. **b** Circle the facts.

c Use the number line to find the total number of cookies.



d Waldo made _____ cookies.

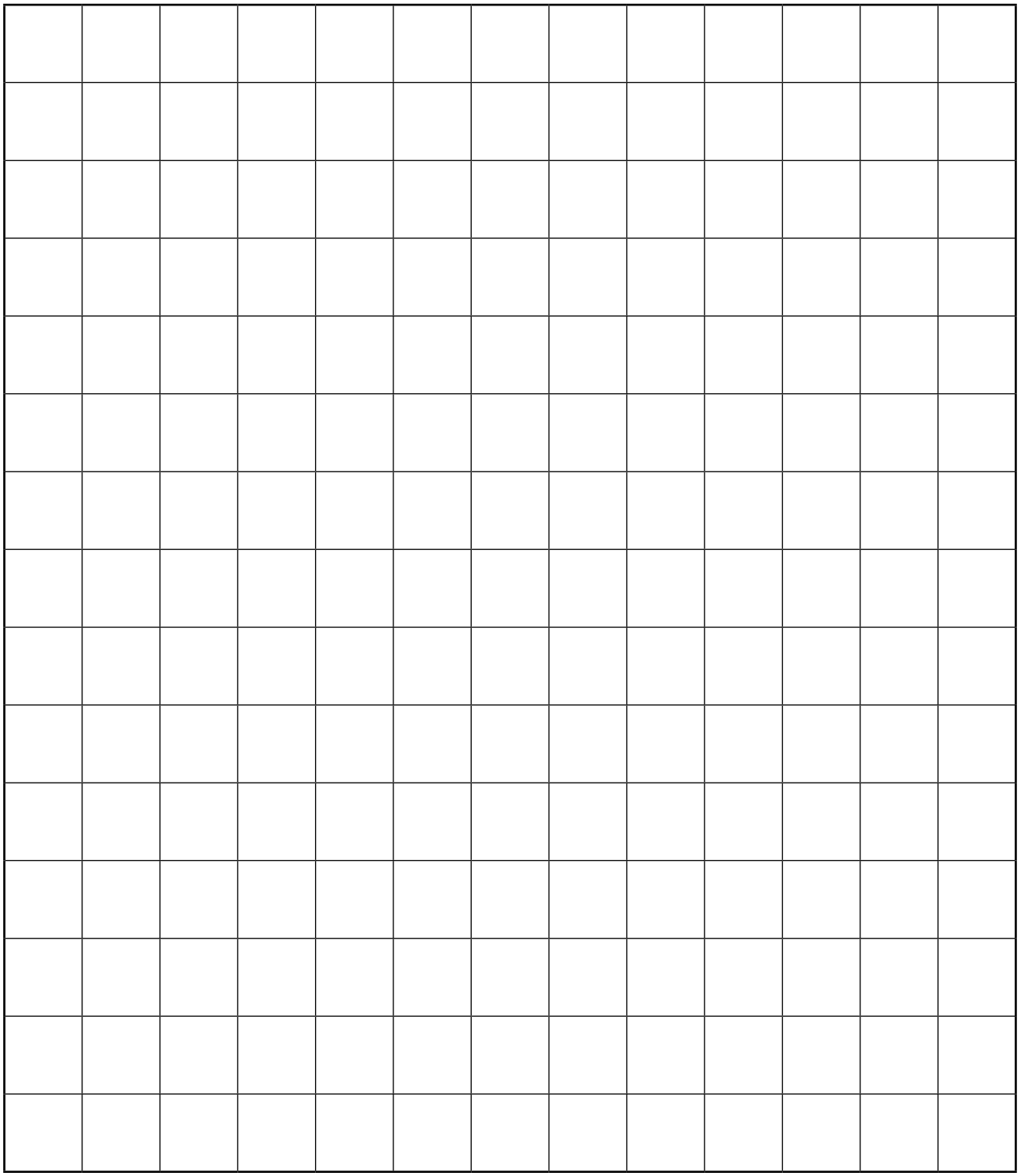
e Write it as a number sentence. _____

3 You used two strategies to solve these problems. Which strategy do you prefer? Why?

_____

_____

1 Find 5 objects in your house that fit on the grid below and trace around them.



2 Write the area inside each shape.

3 Color the biggest area pink. Color the smallest area blue. Draw purple spots in any shapes with the same area.

Mathseeds

Look at you!

You can now move onto Week 2!

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