

Between Grades 1 and 2

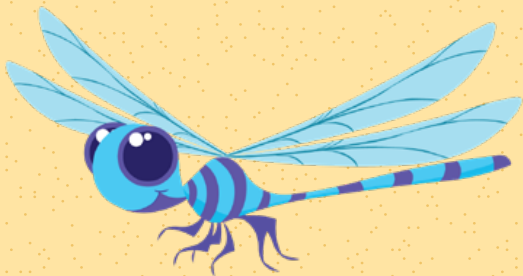
# SUMMIEIR



## Math Catch-up

Week 2

Breeze  
through to  
Grade 2



[www.mathseeds.com](http://www.mathseeds.com)



## Welcome to Week 2

This week we focus on the value of practice and repetition in learning mathematical skills and knowledge.

Learning any new knowledge or skill takes time. We can be told a new concept, and understand it as theory, but to embed that learning into our knowledge base we need to *practice* using it. This is why the **Mathseeds** program provides so many options for children to practice their new-found knowledge and skills.

Every **Mathseeds** lesson includes a set of nine interactive activities designed to get children practicing their new skills and understandings. These short, focused activities are set in meaningful contexts and use *repetition with variation* to consolidate a child's grasp of the topic. This summer school program moves through our carefully planned progression of lessons, revisiting core topics, and repeating practice with variation.

Within the **Mathseeds** summer school program weekly overview, we have also suggested that students complete a series of activities called **Driving Tests**. This section consists of highly motivating short quizzes assessing students' skills and knowledge with a fun reward game to keep them motivated.

The **Mathseeds Driving Tests** provide:

- Comprehensive coverage of all K–2 math topics.
- Six core content areas: number, operations, patterns and fractions, measurement, geometry, and data.
- Questions targeting key concepts, strategies, and vocabulary for student practice.
- Question formats that are clear and easy to follow, providing repetition with variation.
- Question sets that increase in difficulty level to challenge students.
- Built-in reward games to motivate students to make real progress.
- An opportunity for all students to experience success and take pride in their achievements.

If time and enthusiasm allows, encourage your child work on the suggested Driving Tests, practicing the skills and knowledge they have learned that day.

This booklet is the second of ten weekly booklets you will receive over the summer break. The **Mathseeds** 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 2. 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 2

## Week 2

### Day 1 focus: Fourths

**Online lesson:** Lesson 66 – Halves and Fourths

**Worksheets:** Identify Fractions, Match and Color

### Day 2 focus: Numbers 30-40

**Online lesson:** Lesson 67 – Counting 30–40

**Worksheets:** Numbers and Words, Compare Numbers

### Day 3 focus: Find the Difference

**Online lesson:** Lesson 68 – Find the Difference 1

**Worksheets:** Number Lines, Difference Problems

### Day 4 focus: Composing Shapes

**Online lesson:** Lesson 69 – Putting Shapes Together

**Worksheets:** Making Smaller Shapes, Making Larger Shapes

### Day 5 focus: Clock Time

**Online lesson:** Lesson 70 – O'clock and Half-Past

**Worksheets:** Half-Past, Digital Times

## Week 2 Bonus

**Poster:** Halves and Fourths

**Online:** Mental Minute + – Badges 85, 87, 88 and  $\times \div$  Badges 52, Driving Tests Grade 1 Number 4, Driving Tests Grade 1 Operations 1–5, Driving Tests Grade 1 Geometry 9–13, Driving Tests Grade 1 Measurement 1

**Sheets:** Fourths, Find the Difference, Trains

**Hands-on:** Compose 3D Objects

**Skip ahead to Lesson 66!**

See instructions below to skip your child.

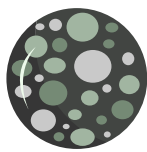
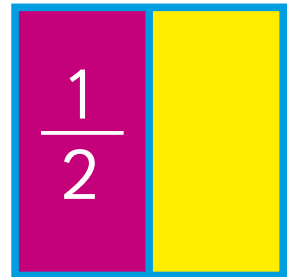
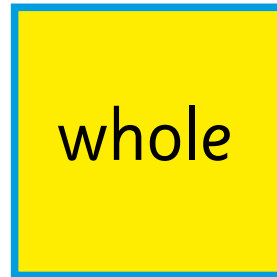
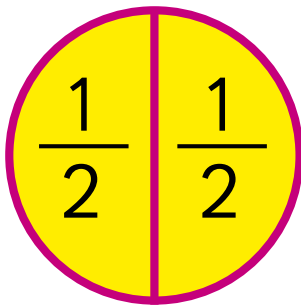
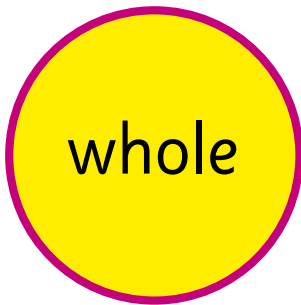
This week we skip ahead a little to **Lesson 66**.

To set your child's lesson number to **66** go to the *Family Dashboard*.

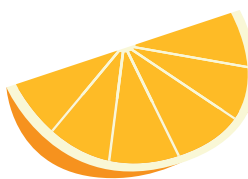
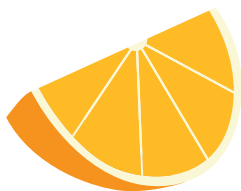
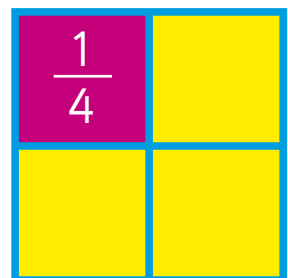
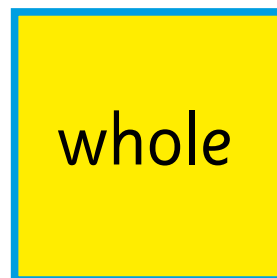
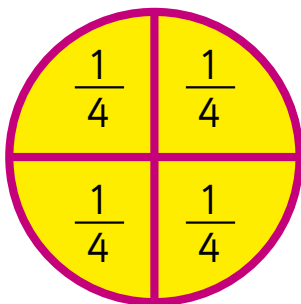
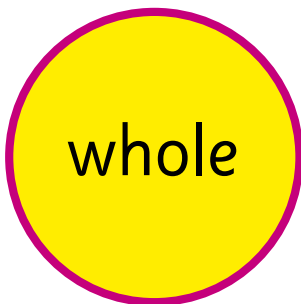
- ➔ Choose the **Mathseeds** tab and click on the *Redo placement test or adjust level* link.
- ➔ Choose the **Mathseeds** tab and set the **Mathseeds progress lesson** to **Lesson 66**.
- ➔ Click on the *Change Current Lesson* button to place your child on that lesson.



# Halves and Fourths



one half








one fourth






# Week 2



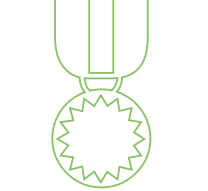


## Incentive chart for:

\_\_\_\_\_

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

Week 2	Monday	Tuesday	Wednesday	Thursday	Friday
Online Lesson					

Worksheets					
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Day Done!					
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### Notes/thoughts/ideas

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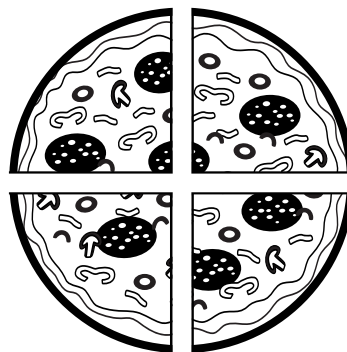
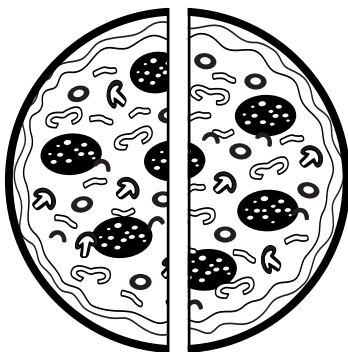
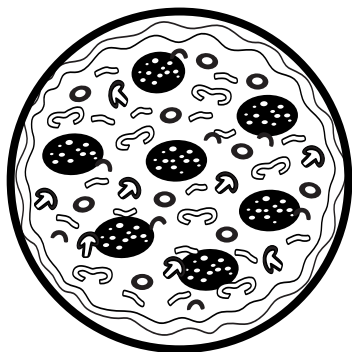
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1 Match the words to the pictures.

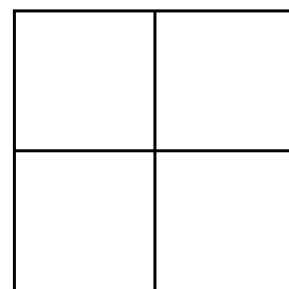
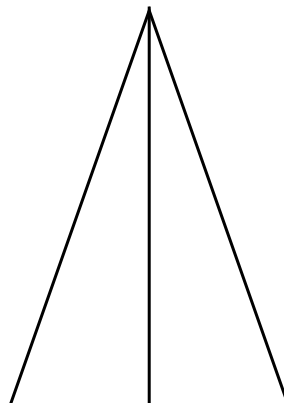
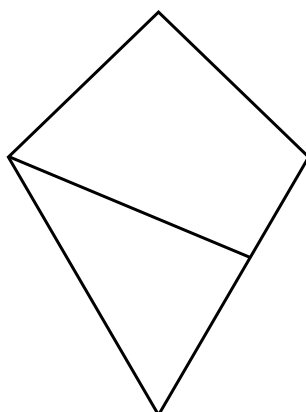
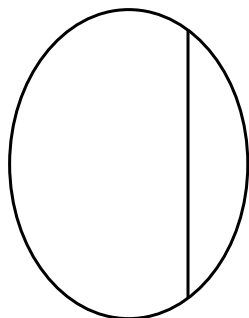
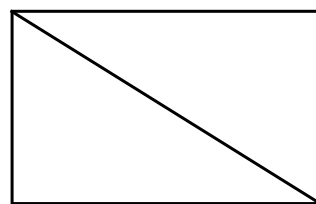
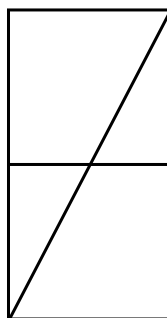
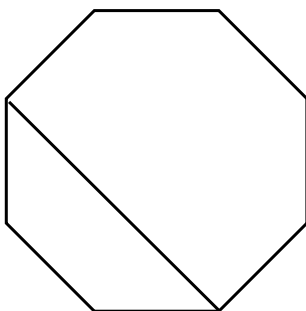
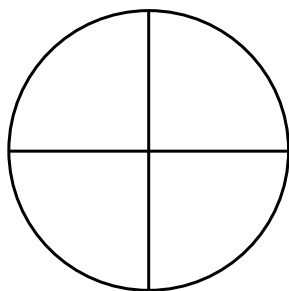


fourths

whole

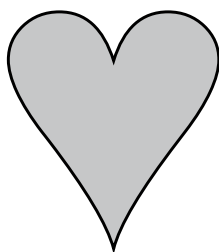
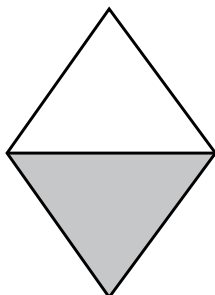
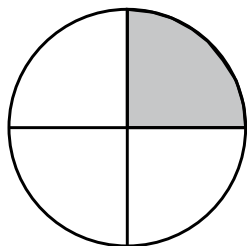
halves

2 Color the fourths blue and the halves red.  
Remember to look for equal parts.





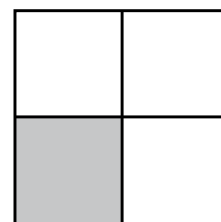
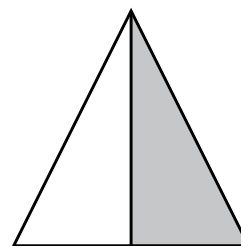
**1** Match each fraction to a word.



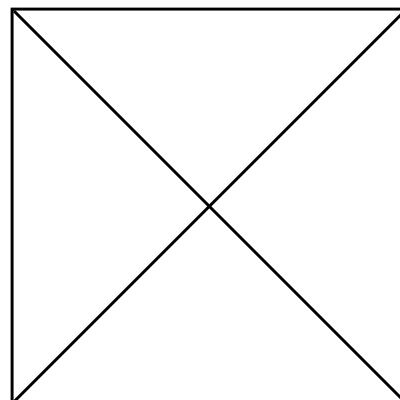
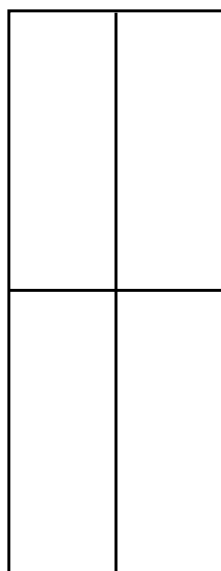
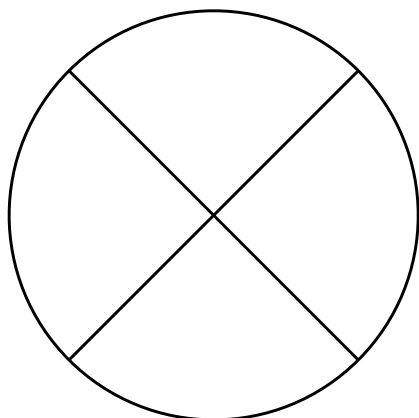
whole

half

fourth



**2** Color.



one fourth

one half

one whole

1 Match the number words and numerals.

thirty-seven	31	35	thirty-three
thirty-five	34	37	thirty
thirty-one	32	30	thirty-six
thirty-four	33	39	forty
thirty-two	38	36	thirty-nine
		40	thirty-eight

2 Write the numerals from 20 to 40 in order.

20,

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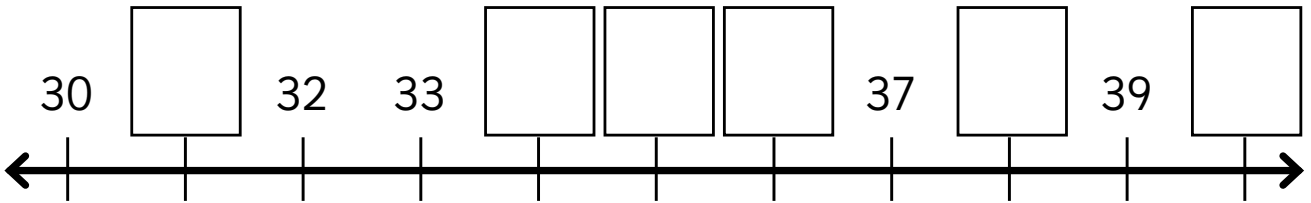
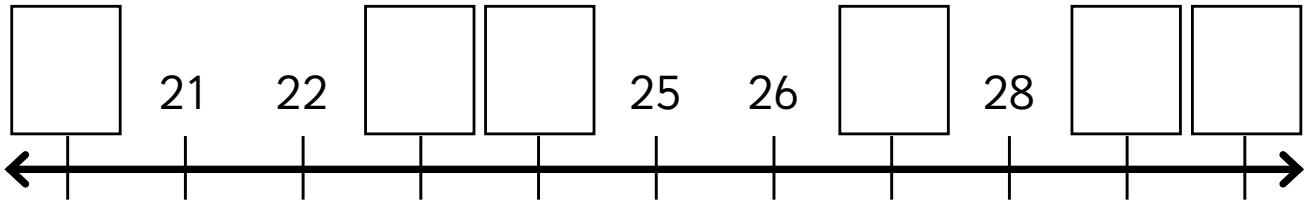
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1 Complete the number lines.



2 Write one more than.

30 \_\_\_\_\_ 34 \_\_\_\_\_ 37 \_\_\_\_\_ 39 \_\_\_\_\_

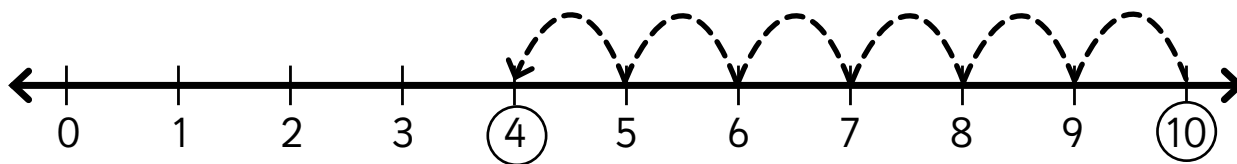
3 Write one less than.

31 \_\_\_\_\_ 33 \_\_\_\_\_ 36 \_\_\_\_\_ 38 \_\_\_\_\_

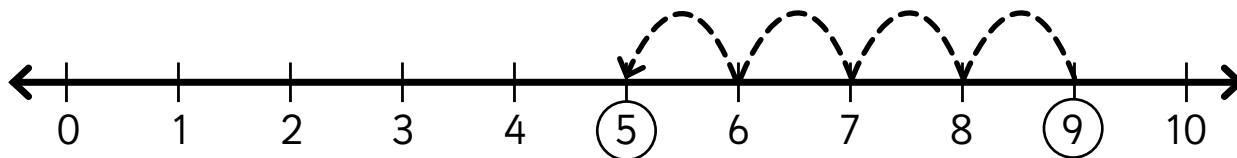
4 Color the correct number of blocks.

Three groups of blocks are shown, each with a number below it. The first group has 4 tens rods and 3 ones units, labeled 33. The second group has 4 tens rods and 4 ones units, labeled 40. The third group has 4 tens rods and 8 ones units, labeled 38.

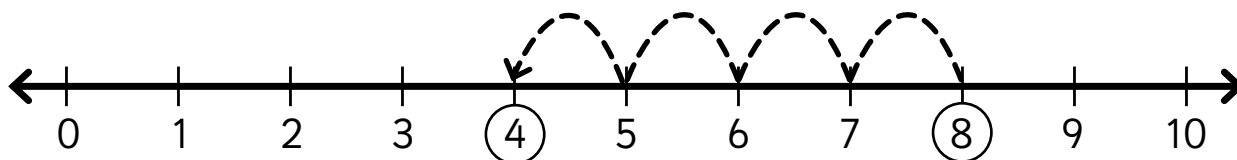
Count the jumps to find the difference.



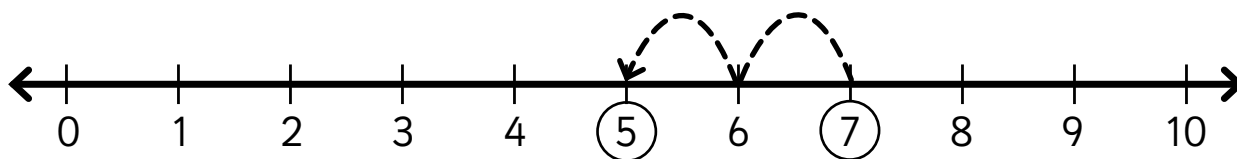
The difference between 10 and 4 is .



The difference between 9 and 5 is .



$$8 - 4 = \text{}$$

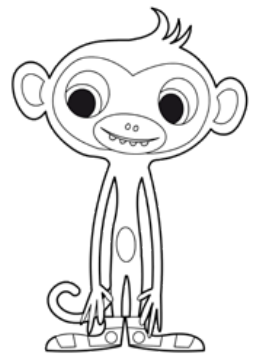


$$7 - 2 = \text{}$$

Draw the problems and find the answers.

- 1 Mango has 10 pink marbles. Dizzy has 8 blue marbles.  
How many more pink marbles are there?

There are  more pink marbles.



- 2 Ruby has 9 green bows. Doc has 3 red bows.  
How many more green bows are there?

There are  more green bows.



**1** Draw.

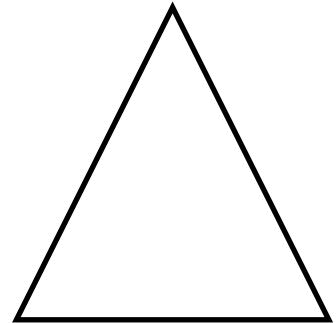
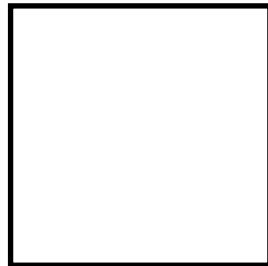
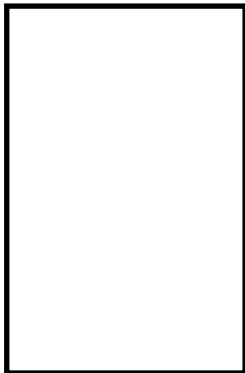
a triangle

a rectangle

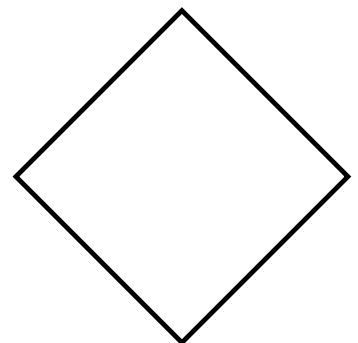
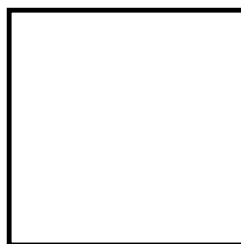
a square



**2** Draw one line to change each shape into 2 triangles.



**3** Draw 2 lines on each shape to make 4 smaller 2D shapes.  
Name the shapes you have made.



\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**1** Draw

2 rectangles making a square.

4 squares making a rectangle.

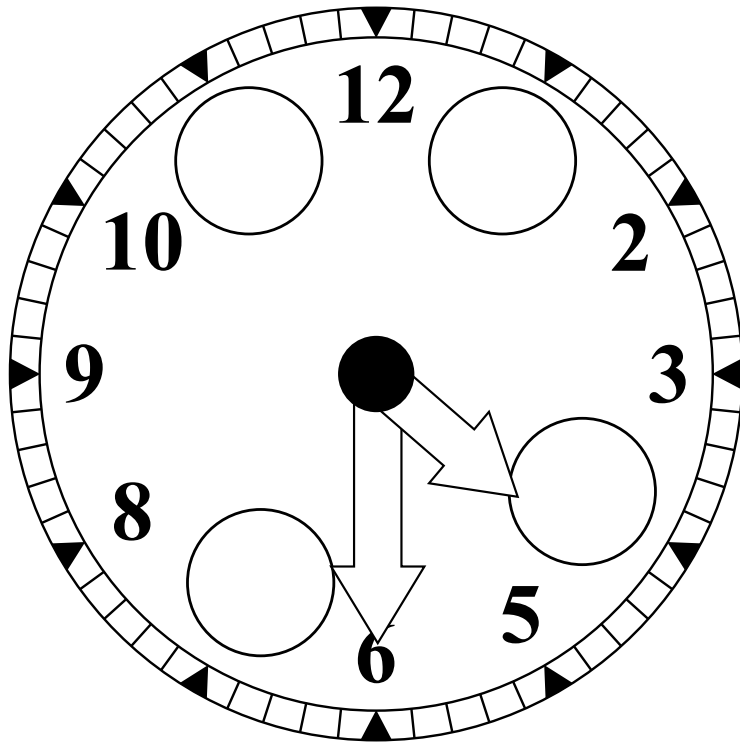
**2** Put together 2 half circles.

What shape did you make? \_\_\_\_\_

**3** Put together 4 triangles.

What shape did you make? \_\_\_\_\_

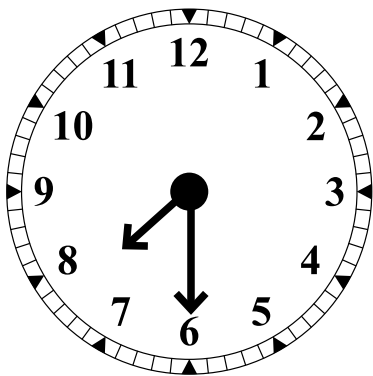
- 1 Write the missing numbers.  
Color the big hand **red**. Color the small hand **green**.



What time is it?

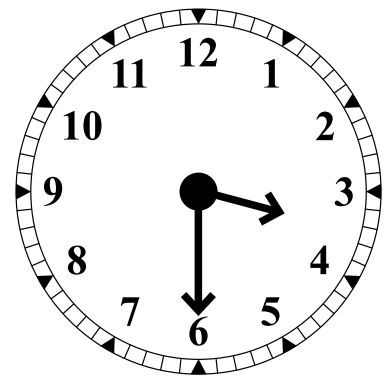
It's half-past .

- 2 Draw lines to match.



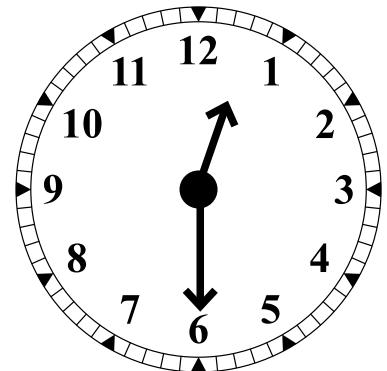
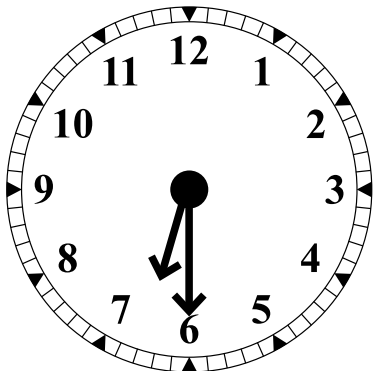
half-past 7

half-past 12

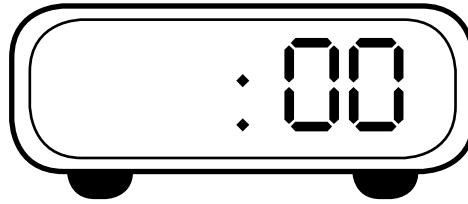
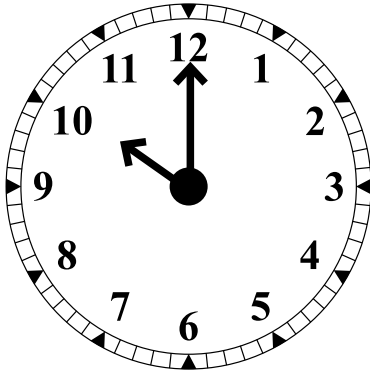


half-past 6

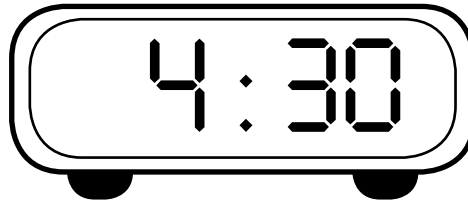
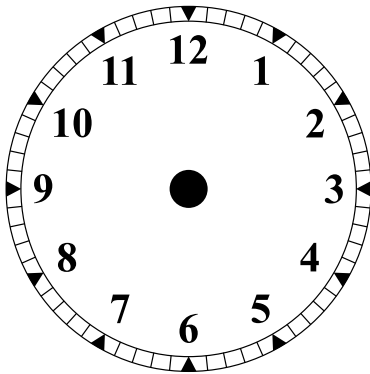
half-past 3



1 What time is it?



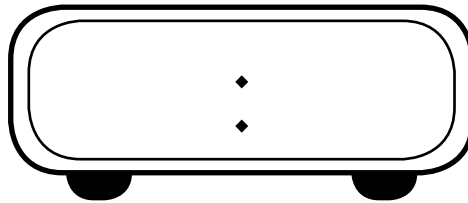
\_\_\_\_\_ o'clock



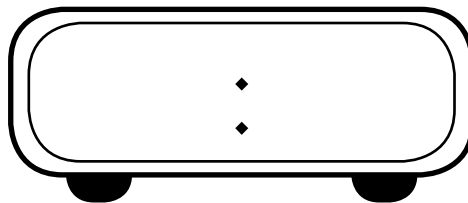
\_\_\_\_\_

2 Write the time for:

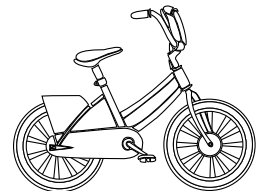
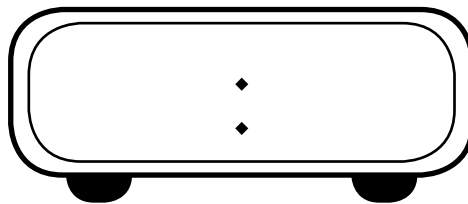
the start of school.



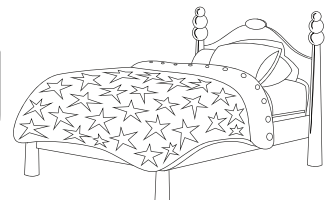
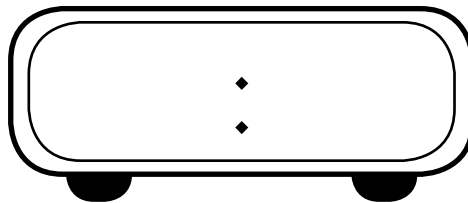
lunch.



going home.



bed.





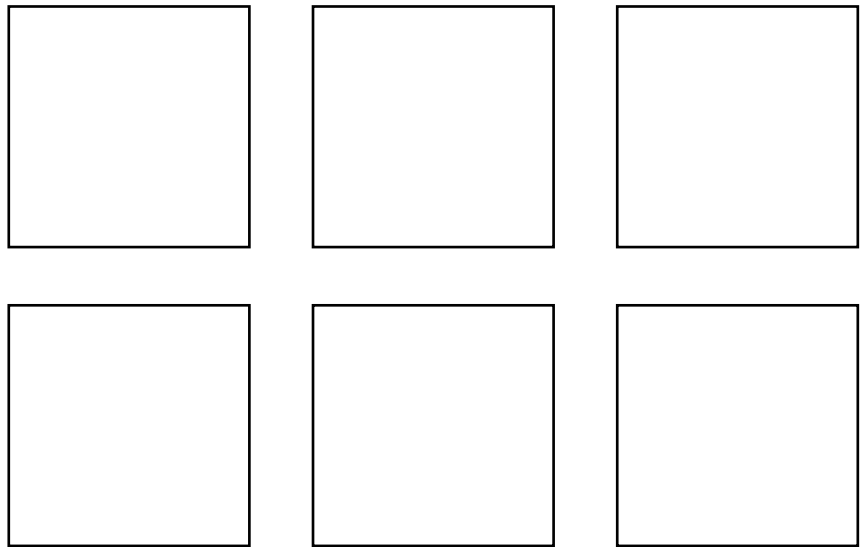
1 Read.

Waldo cut a square into fourths.

How could he have cut it?

2 Underline the question. 3 Circle the facts.

4 Solve the problem by drawing lines on these squares.



I found \_\_\_\_\_ ways to cut the square into fourths.

5 What other shapes can be cut into equal fourths? Explore different shapes to see which ones work and which ones don't.

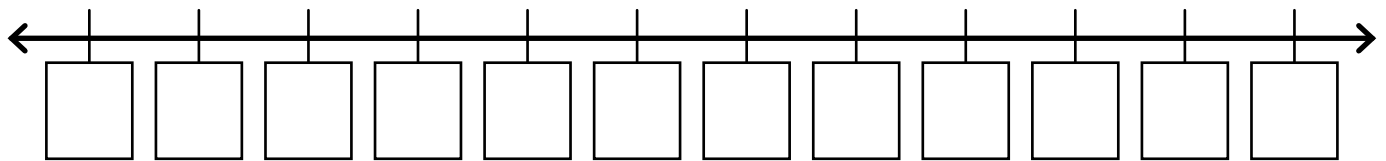
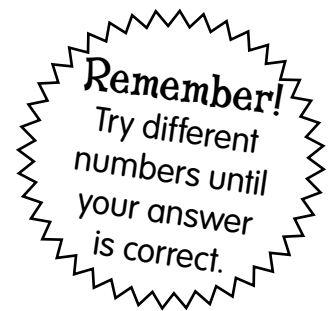
**1** Read.

The difference between Doc's two numbers is 4.  
What could his numbers be?

**2** Underline the question. **3** Circle the facts.

**4** Have a guess! \_\_\_\_\_ and \_\_\_\_\_

**5** Now check using a number line.  
Count to find the difference.

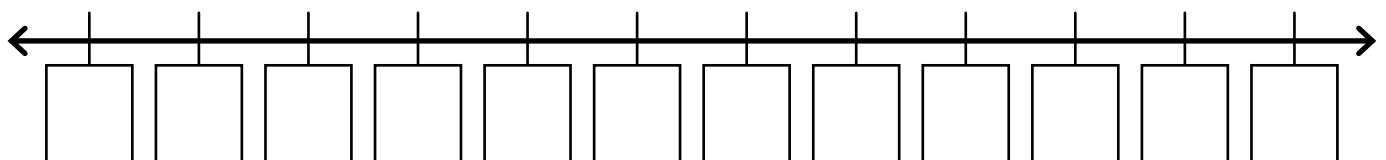


Doc's numbers could be \_\_\_\_\_ and \_\_\_\_\_ .

Or \_\_\_\_\_ and \_\_\_\_\_ . Or \_\_\_\_\_ and \_\_\_\_\_ .

Or \_\_\_\_\_ and \_\_\_\_\_ . Or \_\_\_\_\_ and \_\_\_\_\_ .

**6** Fill this number line with different numbers.



Doc's numbers could be \_\_\_\_\_ and \_\_\_\_\_ .

Or \_\_\_\_\_ and \_\_\_\_\_ . Or \_\_\_\_\_ and \_\_\_\_\_ .

1 Read.

A train arrives at every hour, and every half-past the hour. If the first train arrives at 6 o'clock in the morning, what time will Dizzy arrive if he is on the 4th train?



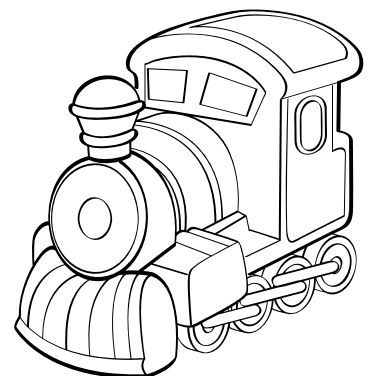
2 Underline the question.      3 Circle the facts.

4 Complete the table to help you solve the problem.

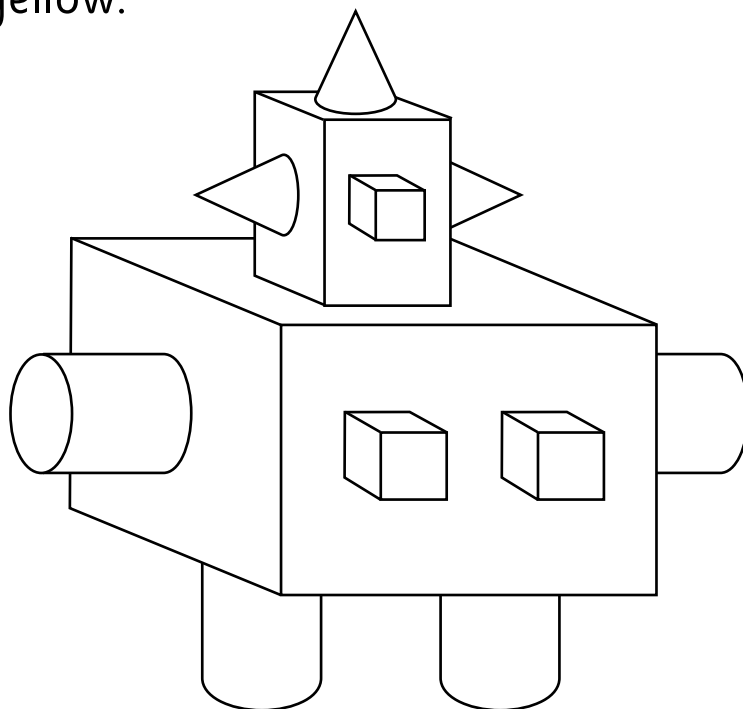
1st train	2nd train	3rd train	4th train

Dizzy will arrive at \_\_\_\_\_

5 Is there another strategy you could use to solve the problem?



- 1 Color the cones red, the cubes blue, the cylinders green and the rectangular prisms yellow.



- 2 Compose a 3D object from boxes, cardboard rolls, balls, or any other objects you can find. Draw your constructed object here.

- 3 Color the cones red, the cubes blue, the cylinders green and the rectangular prisms yellow.



# Well done!

You have completed  
Week 2!

