

MENTAL MATHS

ADDITION & SUBTRACTION

$7 + 1 = 8$	$6 = 4 + 2$	$9 + 2 = 11$	$9 - 2 = 7$	$5 - 2 = 3$
$1 + 8 = 9$	$9 = 2 + 7$	$6 + 1 = 7$	$8 - 1 = 7$	$6 - 4 = 2$
$5 + 1 = 6$	$8 = 6 + 2$	$4 + 1 = 5$	$3 - 1 = 2$	$9 - 1 = 8$
$9 + 1 = 10$	$10 = 2 + 8$	$3 + 2 = 5$	$7 - 2 = 5$	$8 - 2 = 6$
$1 + 6 = 7$	$11 = 9 + 2$	$7 + 1 = 8$	$6 - 1 = 5$	$4 - 1 = 3$

NUMBER & PLACE VALUE

1 Loop groups of 10. Then write the total.

2 Colour matching parts the same.

fourth	third	1st
2nd	5th	second
3rd	fifth	4th
first	6th	sixth

MONEY & FINANCIAL MATHEMATICS

3 Draw a line to connect each coin to its name.

PATTERNS & ALGEBRA

4 Draw more blocks on the left to make each balance picture true.

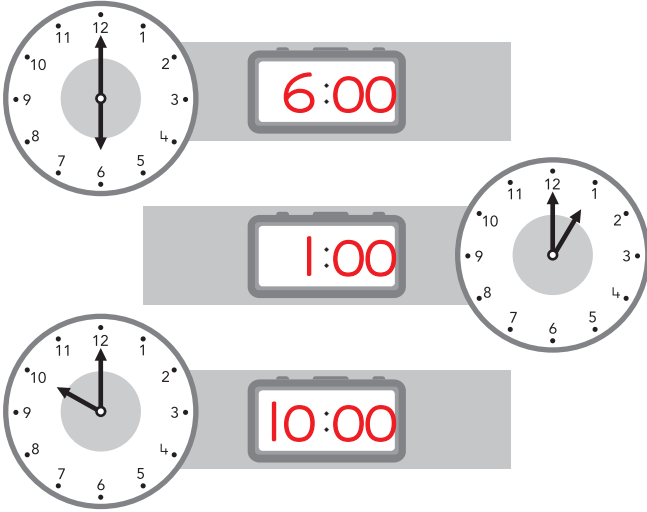
**i** The reflection of a shape looks like the shape has been flipped over an imaginary line.

\* Answers will vary. This is one example.

MEASUREMENT & GEOMETRY

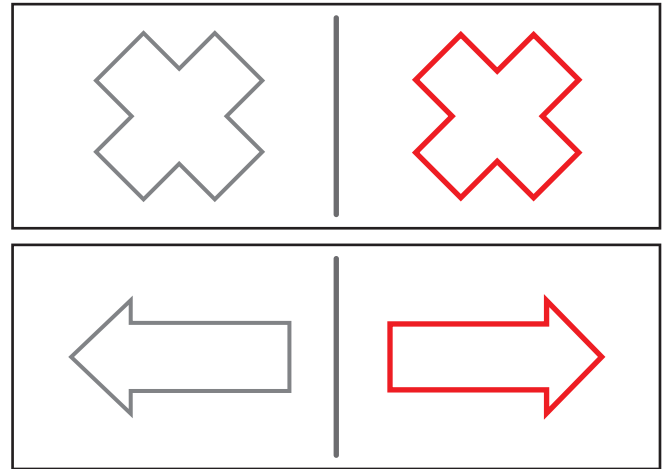
USING UNITS OF MEASUREMENT

5 Write the time on the digital clock.



LOCATION & TRANSFORMATION

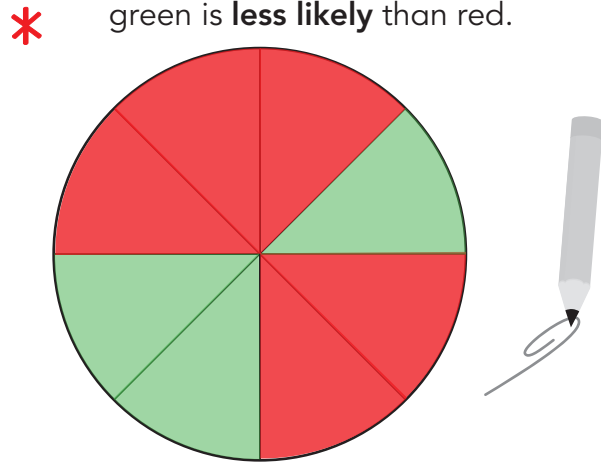
6 Draw the reflection of each shape on the other side of the blue line.



STATISTICS & PROBABILITY

CHANCE

7 a. Colour the spinner so that green is **less likely** than red.



b. Use a pencil and paperclip with the spinner. Make 20 spins. Record each result in the tally chart below. Then write the totals.

Colour	Tally	Total
Green		7
Red		13

DATA REPRESENTATION & INTERPRETATION

8 This tally chart shows the number of books some students read while they were on school holidays.

a. Write each student's total in the last row.

Chloe	Ruby	William	Thomas
16	4	13	17

b. Who read the greatest number of books? **Thomas**

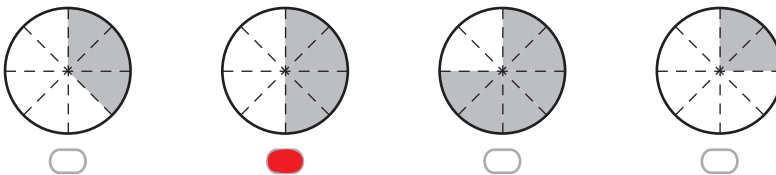
c. Write the students' names in order from **who read the least number to who read the greatest number**.

**Ruby**      **William**  
**Chloe**      **Thomas**

d. How many books did these students read altogether? **50**

TESTER

Which picture shows one-half?



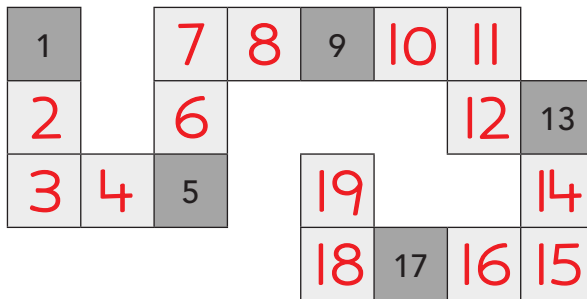
PARENT/CARER SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

## ADDITION &amp; SUBTRACTION

$4 + 4 = 8$	$2 + 3 = 5$	$3 = 1 + 2$	$8 + 9 = 17$	$16 - 8 = 8$
$6 + 6 = 12$	$7 + 8 = 15$	$8 = 3 + 5$	$4 + 4 = 8$	$13 - 6 = 7$
$3 + 3 = 6$	$9 + 8 = 17$	$10 = 6 + 4$	$7 + 5 = 12$	$9 - 5 = 4$
$7 + 7 = 14$	$5 + 6 = 11$	$16 = 8 + 8$	$3 + 5 = 8$	$11 - 6 = 5$
$10 + 10 = 20$	$3 + 4 = 7$	$4 = 2 + 2$	$6 + 5 = 11$	$15 - 7 = 8$

## NUMBER &amp; PLACE VALUE

- 1 Write the missing numbers on this number track.



- 2 Write an addition fact. Then write the turnaround fact.

$6 + 7 = 13$	$7 + 9 = 16$
$7 + 6 = 13$	$9 + 7 = 16$

$3 + 9 = 12$	$8 + 4 = 12$
$9 + 3 = 12$	$4 + 8 = 12$

## MONEY &amp; FINANCIAL MATHEMATICS

- 3 Loop coins you can trade for \$1. Then write the total.

Total = \$2.25

Total = \$2.25

## PATTERNS &amp; ALGEBRA

- 4 Draw blocks on the right to make each balance picture true. Then complete the matching number sentence.

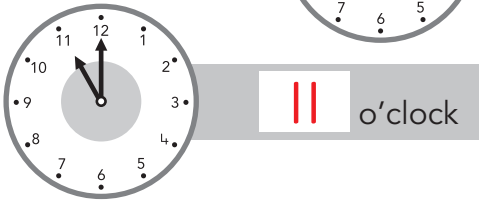
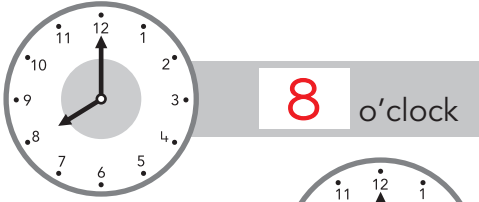
	$8 + 6 = 14$
	$5 + 7 = 12$



The equals symbol (=) means **balances** or **is the same as**.  
For example,  $6 + 9 = 15$  can be read as  $6 + 9$  balances 15 or  $6 + 9$  is the same as 15.

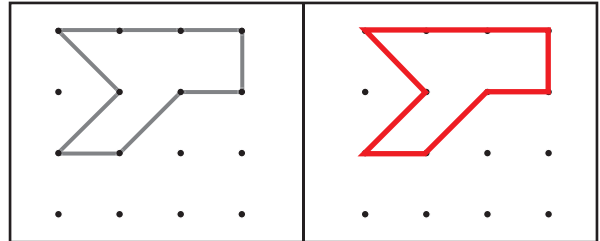
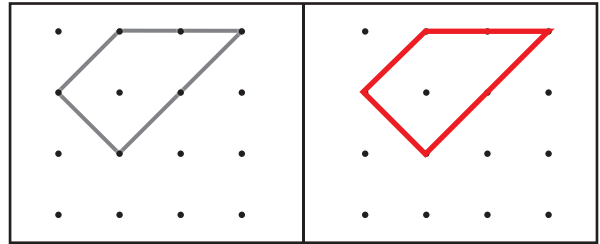
USING UNITS OF MEASUREMENT

5 Write the o'clock time.



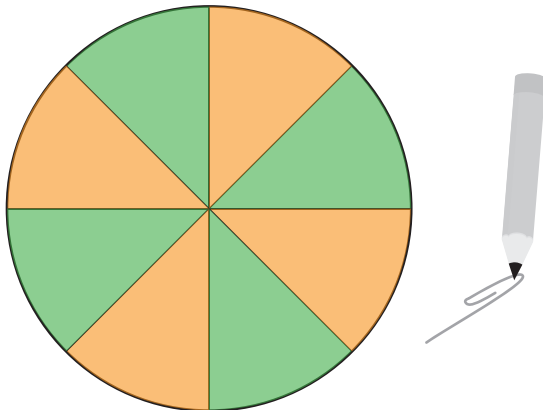
LOCATION & TRANSFORMATION

6 Copy each shape.



CHANCE

7 a. Colour the spinner so that orange and green have **the same** chance.



b. Use a pencil and paperclip with the spinner. Make 20 spins. Record each result in the tally chart below. Then write the totals.

Colour	Tally	Total
Green		11
Orange		9

DATA REPRESENTATION & INTERPRETATION

8 This tally chart shows the number of vowels in some students' names.

a. Write the total for each vowel in the last row.

A	E	I	O	U
10	14	13	16	17

- b. Which vowel was used most? **U**
- c. Which vowel was used least? **A**
- d. Write the vowels in order from **used the least** to **used the most**.

**A I E O U**

Look at the picture. Which statement is true?

- The ball is above the boy.
- The ball is on his right.
- The ball is on his left.
- The boy is on the ball.



## ADDITION &amp; SUBTRACTION

$9 + 2 = 11$

$1 + 7 = 8$

$13 = 6 + 7$

$10 - 5 = 5$

$11 - 6 = 5$

$2 + 8 = 10$

$4 + 9 = 13$

$16 = 7 + 9$

$6 - 3 = 3$

$15 - 8 = 7$

$7 + 2 = 9$

$3 + 7 = 10$

$15 = 7 + 8$

$16 - 8 = 8$

$10 - 9 = 1$

$4 + 2 = 6$

$7 + 5 = 12$

$12 = 9 + 3$

$18 - 9 = 9$

$16 - 9 = 7$

$3 + 2 = 5$

$9 + 6 = 15$


$11 = 7 + 4$

$4 - 3 = 1$


$10 - 6 = 4$

## NUMBER &amp; PLACE VALUE

- 1 Add the groups. Write the addition fact and the turnaround.




$$3 + 2 = 5$$

$$2 + 3 = 5$$



$$2 + 7 = 9$$

$$7 + 2 = 9$$

- 2 Write an addition sentence. Then write a related subtraction sentence.

$$6 + 3 = 9$$


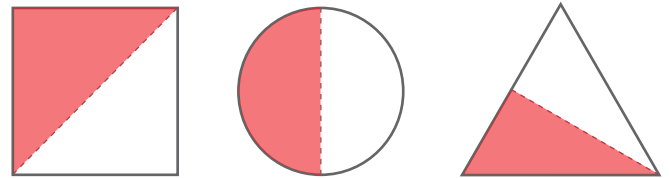
$$9 - 6 = 3$$

$$7 + 2 = 9$$


$$9 - 2 = 7$$

## FRACTIONS &amp; DECIMALS

- 3 Colour one of the equal parts in each shape.



## MONEY &amp; FINANCIAL MATHEMATICS

- 4 Complete the missing parts.

	ten cents	10c
	fifty cents	50c
	twenty cents	20c
	five cents	5c

## PATTERNS &amp; ALGEBRA

- 5 Draw 4 more shapes in each pattern.



When you use the **count-on strategy** for addition, put the greater number in your head first then count on the small number. For example, when you see  $1 + 6 =$  think 6 and one more is 7.

\* Answers will vary. This is one example.

USING UNITS OF MEASUREMENT

6 Think of the real-life object. Write **longer** or **shorter** to make true sentences.



is **longer** than a ruler.



is **longer** than a pencil.



is **shorter** than a pencil.



is **longer** than a car.



is **shorter** than a ruler.



is **shorter** than a car.

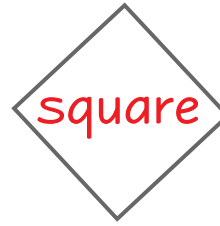
SHAPE

7 Write the number of sides and corners for each shape. Look at the labels on the right. Write each name inside the matching shape.

oblong

triangle

square



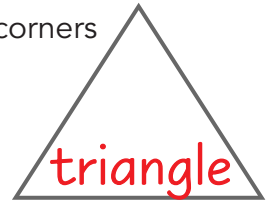
4 sides

4 corners

4 sides

4 corners

oblong



3 sides

3 corners

CHANCE

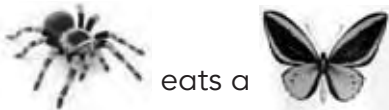
8 Write **possible** or **not possible** for each of these.



**not possible**



**possible**

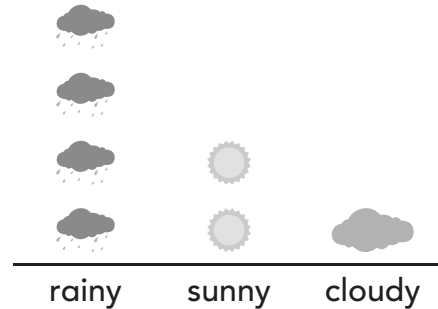


**possible**

DATA REPRESENTATION & INTERPRETATION

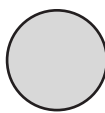
9 This graph shows the weather for one week.

Weather Each Day



- a. What type of weather happened most? **rainy**
- b. What type of weather happened least? **cloudy**
- c. For how many days was the weather recorded? **7** days

Which shape is a circle?



Colour one bubble.



PARENT/CARER SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

NAME \_\_\_\_\_

MENTAL MATHS

ADDITION & SUBTRACTION

$8 + 2 = 10$

$1 + 9 = 10$

$14 = 9 + 5$

$18 - 9 = 9$

$12 - 7 = 5$

$6 + 4 = 10$

$6 + 9 = 15$

$18 = 9 + 9$

$8 - 5 = 3$

$15 - 7 = 8$

$4 + 5 = 9$

$8 + 7 = 15$

$17 = 8 + 9$

$14 - 8 = 6$

$13 - 9 = 4$

$5 + 3 = 8$

$7 + 6 = 13$

$12 = 5 + 7$

$12 - 3 = 9$

$16 - 8 = 8$

$7 + 2 = 9$

$9 + 7 = 16$

$13 = 8 + 5$

$6 - 3 = 3$

$16 - 9 = 7$

NUMBER & PLACE VALUE

- 1 For each picture, write an addition fact and its turnaround.

$5 + 2 = 7$	
$2 + 5 = 7$	

$2 + 7 = 9$	
$7 + 2 = 9$	

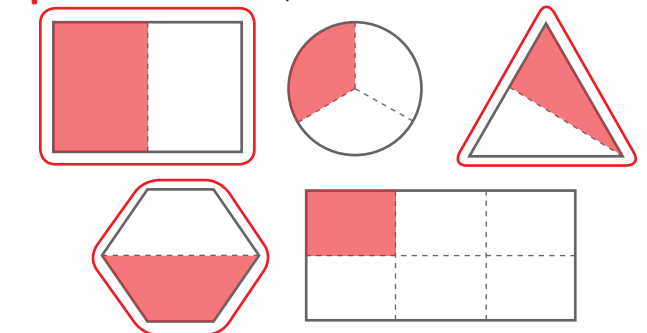
- 2 Write an addition sentence. Then write a related subtraction sentence.

$4 + 3 = 7$
$7 - 4 = 3$

$2 + 6 = 8$
$8 - 2 = 6$

FRACTIONS & DECIMALS

- 3 a. Colour one of the equal parts in each shape.



- b. Loop the shapes that show one-half.

MONEY & FINANCIAL MATHEMATICS

- 4 Complete the missing parts.

	one dollar	\$1
	two dollars	\$2

PATTERNS & ALGEBRA

- 5 Draw 4 more shapes in each pattern.



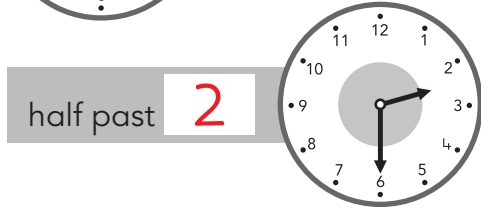
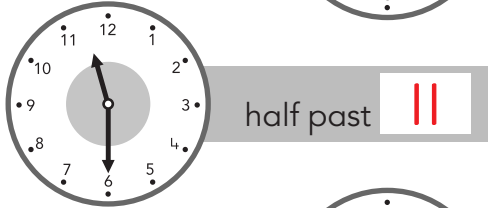
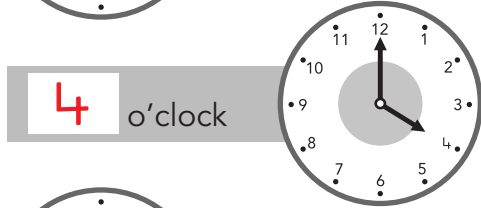
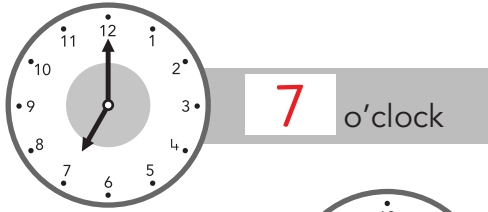
NUMBER & ALGEBRA



Fractions describe **equal** parts of one whole. For example, when one whole is divided into 2 equal parts, the fraction **one-half** describes one of those equal parts.

USING UNITS OF MEASUREMENT

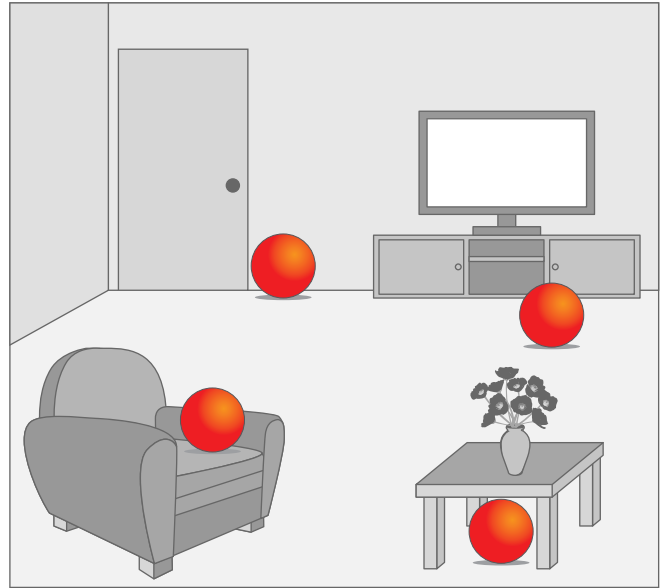
6 Write each time.



LOCATION & TRANSFORMATION

7 Draw a ball in each place.

- a. on the chair
- b. under the table
- c. between the TV and the table
- d. beside the door

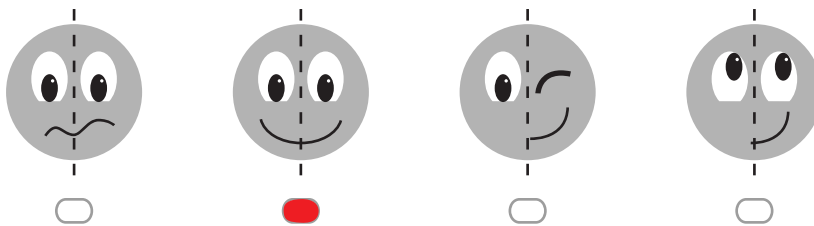


CHANCE \*

- 8 Look at the table on the right.
- a. Roll a regular die 10 times. Write each number in the table.
  - b. Which set of numbers is the biggest?
  - c. Do you think the outcome would change if you rolled the die 10 more times?
  - d. Roll the die 10 more times and write the numbers in a different colour.
  - e. Did the outcome change?

Numbers on a Regular Die	
Numbers 1 to 3	Numbers 4 to 6

Which face is the same on both sides of the dotted line?



Colour one bubble.

PARENT/CARER SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_



## ADDITION &amp; SUBTRACTION

$6 + 4 = 10$

$4 + 9 = 13$

$3 + 3 = 6$

$11 - 2 = 9$

$17 - 8 = 9$

$5 + 5 = 10$

$5 + 8 = 13$

$6 + 6 = 12$

$9 - 1 = 8$

$12 - 4 = 8$

$2 + 9 = 11$

$8 + 8 = 16$

$8 + 8 = 16$

$8 - 2 = 6$

$14 - 5 = 9$

$9 + 3 = 12$

$7 + 9 = 16$

$1 + 1 = 2$

$5 - 1 = 4$

$12 - 7 = 5$

$8 + 4 = 12$

$1 + 9 = 10$

$5 + 5 = 10$

$7 - 2 = 5$

$13 - 6 = 7$

## NUMBER &amp; PLACE VALUE

- 1 Write the number on the expander. Then write the number.

thirty-nine



fifty-seven



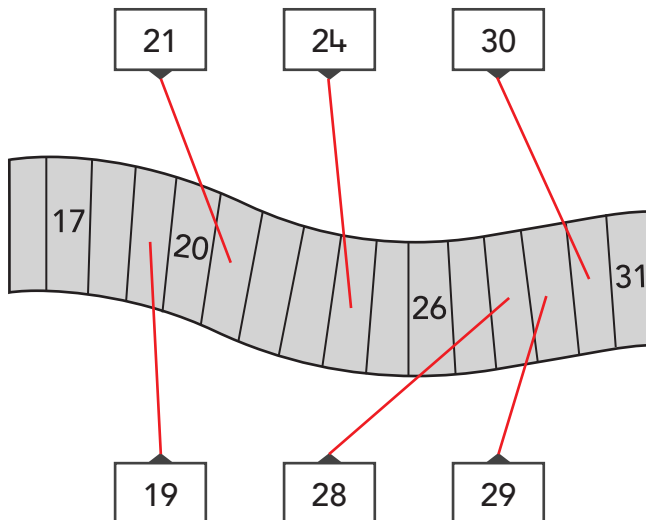
thirteen



twenty-two



- 2 Draw a line to each matching space on the number track.



- 3 Write an addition sentence to match the picture. Then write a related subtraction sentence.

$5 + 4 = 9$

$9 - 5 = 4$



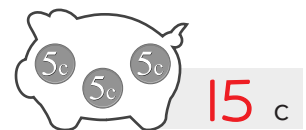
## FRACTIONS &amp; DECIMALS

- 4 Loop one-half of each group. Then complete the sentences.



## MONEY &amp; FINANCIAL MATHEMATICS

- 5 Write the amount in each piggy bank.



A **polyhedron** is any simple, closed 3D object with flat faces. For example, a cube is a polyhedron and a sphere is not a polyhedron.

**SHAPE**

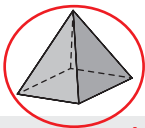
6 Choose a word to complete each sentence.

- flat
- curved
- face

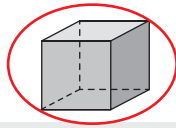
The surfaces of polyhedrons are **flat**.

A flat surface is called a **face**.

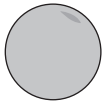
7 a. Loop the polyhedrons.



pyramid



cube



sphere



cone

b. Look at the labels below. Write each name below the matching object above.

- sphere
- cube
- pyramid
- cone

**LOCATION & TRANSFORMATION**

8 Start at the ★. Colour the path red or blue. Write what is at the end of each path.

		★				

Red ↑ 2 → 4 ↓ 2 flag

Blue ← 1 ↑ 5 → 2 rocket

**DATA REPRESENTATION & INTERPRETATION**

9 Look at this jar of lollies.

a. Draw a tally in the tally chart for each lolly.



b. Write the total for each type of lolly.

	Tally	Total
		3
	<del>    </del>	7
	<del>    </del> <del>    </del>	11
		2

Look at the lolly jar above. Imagine Sam takes out one lolly without looking. Which lolly is he most likely to get?

- 
- 
- 
- 

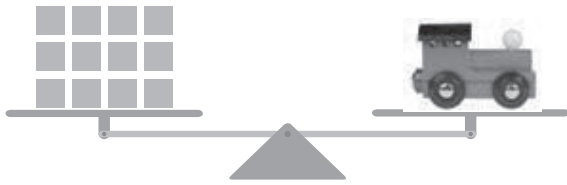
Colour one bubble.



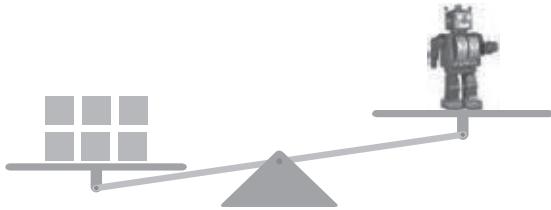
USING UNITS OF MEASUREMENT

6 Choose and copy a label that best describes the mass of each toy.

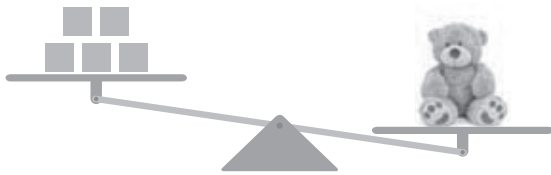
more than    less than    the same as



The train is **the same as** 12 blocks.



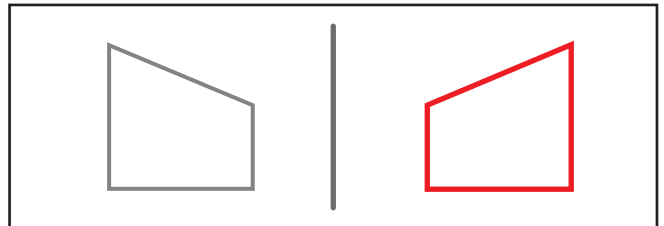
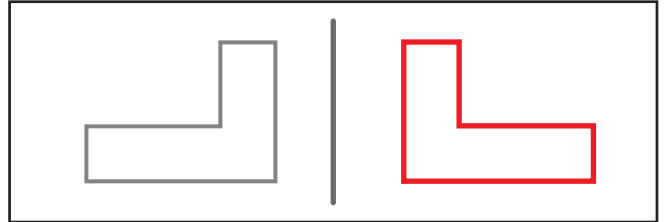
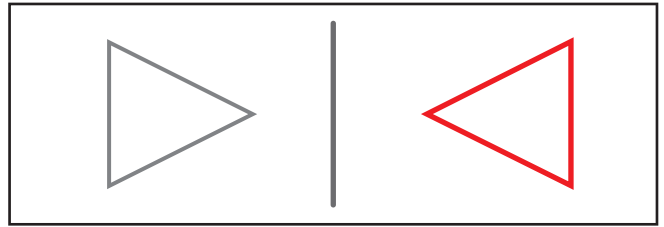
The robot is **less than** 6 blocks.



The bear is **more than** 5 blocks.

LOCATION & TRANSFORMATION

7 Draw the reflection of each shape on the other side of the blue line.



CHANCE

8 Colour the word that best describes the chance of each event happening tomorrow.

a. I will fly to China.

likely    unlikely

b. My teacher will eat lunch.

likely    unlikely

c. A dinosaur will come to school.

possible    impossible

d. It will rain.

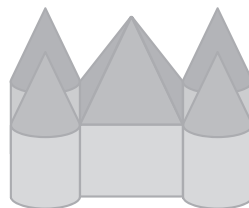
possible    impossible

e. A train will stop at school.

possible    impossible

Paul made this model of a castle. How many **cones** did he use?

5    8    4    9  
           



Colour one bubble.

## ADDITION &amp; SUBTRACTION

$2 + 6 = 8$	$2 + 7 = 9$	$9 + 9 = 18$	$9 + 2 = 11$	$17 - 7 = 10$
$4 + 2 = 6$	$12 + 1 = 13$	$6 + 9 = 15$	$7 + 9 = 16$	$13 - 4 = 9$
$10 + 1 = 11$	$8 + 2 = 10$	$9 + 4 = 13$	$10 + 10 = 20$	$12 - 3 = 9$
$2 + 3 = 5$	$1 + 3 = 4$	$5 + 9 = 14$	$9 + 8 = 17$	$11 - 6 = 5$
$1 + 6 = 7$	$2 + 5 = 7$	$9 + 3 = 12$	$1 + 9 = 10$	$10 - 4 = 6$

## NUMBER &amp; PLACE VALUE

- 1 Write the number on the open and closed expanders.

thirty-six

seventy-four

ninety-five

- 2 Count on to work out how much more money is needed. Then write the fact family to match.

6	+	2	=	8
2	+	6	=	8
8	-	6	=	2
8	-	2	=	6

\$8



- 3 Write the fact family to match.

3	+	4	=	7	7	-	4	=	3
4	+	3	=	7	7	-	3	=	4

7 dots altogether



## FRACTIONS &amp; DECIMALS

- 4 Draw twelve ★. Loop one-half and complete the sentence.

Half of 12 is **6**.

- 5 Draw sixteen ●. Loop one-half and complete the sentence.

Half of 16 is **8**.

## MONEY &amp; FINANCIAL MATHEMATICS

- 6 Draw a line to join each wallet to the matching amount.

20c      15c      30c



An **addition fact family** includes an addition fact, its turnaround fact, and the 2 related subtraction facts.

\* Answers will vary. This is one example.

USING UNITS OF MEASUREMENT

7 Write the day **just before** or **just after**.

Sunday Monday

Wednesday Thursday

Friday Saturday

Monday Tuesday

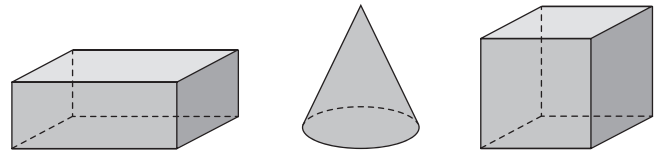
Thursday Friday

Saturday Sunday

Tuesday Wednesday

SHAPE

8 a. Loop the cube.



b. What is something that looks like a cube? **die, box**

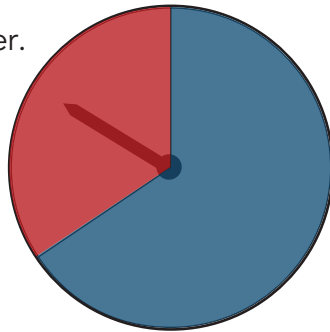
c. A cube has **6** surfaces.

d. Draw a ✓ beside **each** true sentence.

- It can roll.
- It can stack.
- It has all flat surfaces.
- It has no flat surfaces.

CHANCE

9 Look at the spinner.



Write colours to make true statements.

**Red** is less likely than **blue**.

**Blue** is more likely than **red**.

\* **Green** is impossible.

DATA REPRESENTATION & INTERPRETATION

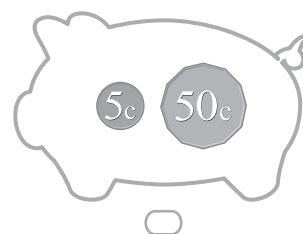
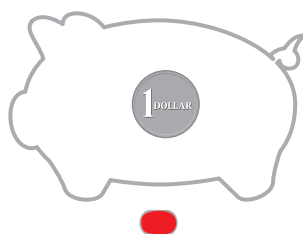
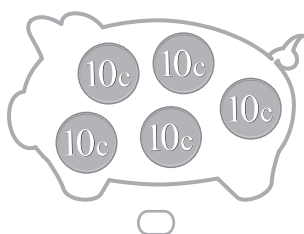
10 **Number of Pets at Home**

Eddy				
Kate				
Ryan	Will			
Dan	Fred			
Millie	Jack	Sue		
0 pets	1 pet	2 pets	3 pets	

Look at the graph.

- a. Who has 2 pets? **Sue**
- b. How many pets do most people have? **one**
- c. How many people were asked about their pets? **9**

Which piggy bank holds the greatest total?



Colour one bubble.

NAME \_\_\_\_\_

**MENTAL MATHS**

**ADDITION & SUBTRACTION**

$6 + 1 = 7$	$6 = 2 + 4$	$8 - 2 = 6$	$6 - 1 = 5$	$16 - 8 = 8$
$1 + 5 = 6$	$13 = 5 + 8$	$8 - 1 = 7$	$10 - 8 = 2$	$12 - 6 = 6$
$9 + 1 = 10$	$10 = 6 + 4$	$7 - 1 = 6$	$5 - 2 = 3$	$8 - 4 = 4$
$1 + 8 = 9$	$15 = 9 + 6$	$7 - 2 = 5$	$11 - 10 = 1$	$9 - 2 = 7$
$4 + 1 = 5$	$10 = 3 + 7$	$9 - 1 = 8$	$9 - 2 = 7$	$11 - 3 = 8$

**NUMBER & PLACE VALUE**

1 Use all of these digits. **7 2 4**  
Write a number that has 7 tens. \* **4 7 2**

2 Complete each puzzle.

sixteen

1	tens	6	ones	16
---	------	---	------	----

sixty

6	tens	0	ones	60
---	------	---	------	----

sixty-one

6	tens	1	ones	61
---	------	---	------	----

$2 + 7 = 9$	
$7 + 2 = 9$	
$9 - 2 = 7$	
$9 - 7 = 2$	

**FRACTIONS & DECIMALS**

4 Draw a line to cut each piece of fruit into 2 equal parts.

**MONEY & FINANCIAL MATHEMATICS**

5 Loop the coins you would use to pay the exact amount for each item.

20c	10c	10c	20c
5c 5c			

20c	5c	10c	20c
5c 5c			

3 Complete each . Then write the fact family.

$2 + 6 = 8$	
$6 + 2 = 8$	
$8 - 6 = 2$	
$8 - 2 = 6$	

**i** When you use the **count-on strategy** for addition, put the greater number in your head first then count on the small number. For example, when you see  $2 + 7 =$  think 7 and two more is 9.

USING UNITS OF MEASUREMENT

6 a. Write the number of lids and cups.

	<b>6</b> lids
	<b>3</b> cups
	<b>10</b> lids
	<b>5</b> cups

b. In each box, loop the container that holds the least.


LOCATION & TRANSFORMATION

7 Look at this frog.

- Draw a butterfly in front of the frog.
- Draw a fish behind the frog.
- Draw a bee on the left of the frog.
- Draw another frog on the right of this frog.

CHANCE \*

8 Draw an event to match each label.

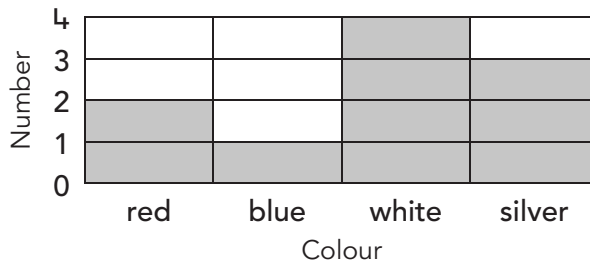
possible

impossible

How many cars were in the car park altogether?

- 12
- 11
- 10
- 9

Colours of Cars in Car Park



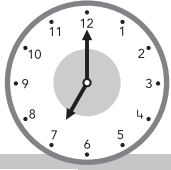
Colour one bubble.



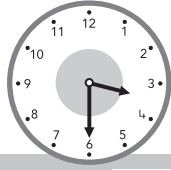


USING UNITS OF MEASUREMENT

16 Write each time.



7 o'clock



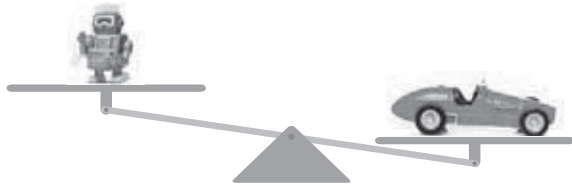
half past 3

17 Choose and copy a label that best describes the mass of each toy.

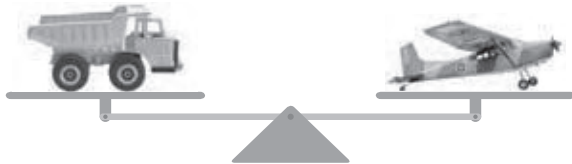
less than

equal to

more than



The robot is **less than** the car.



The truck is **equal to** the plane.

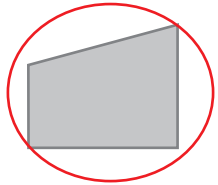
18 Write the day just before and just after.

**Saturday** Sunday **Monday**

**Tuesday** Wednesday **Thursday**

SHAPE

19 Loop the quadrilaterals.



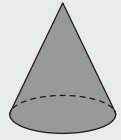
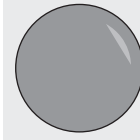
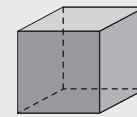
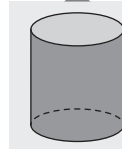
20 Draw a line to connect each 3D object to its name.

cone

sphere

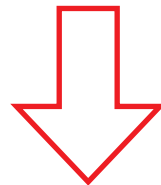
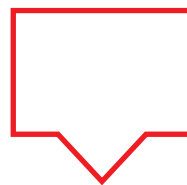
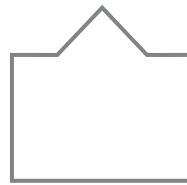
cylinder

cube



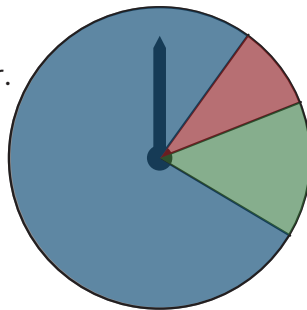
LOCATION & TRANSFORMATION

21 Draw a reflection of each shape on the other side of the blue line.



CHANCE

22 Look at this spinner. Write colours to complete true sentences.



a. **Blue** is most likely.

b. **Red** is less likely than green.

c.\* **Yellow** is impossible.

DATA REPRESENTATION & INTERPRETATION

23 This table shows how some students go to school.

a. Write the totals.

	Tally	Total
Bike		7
Car		10
Bus		3

b. How many students in total were asked how they go to school? **20**