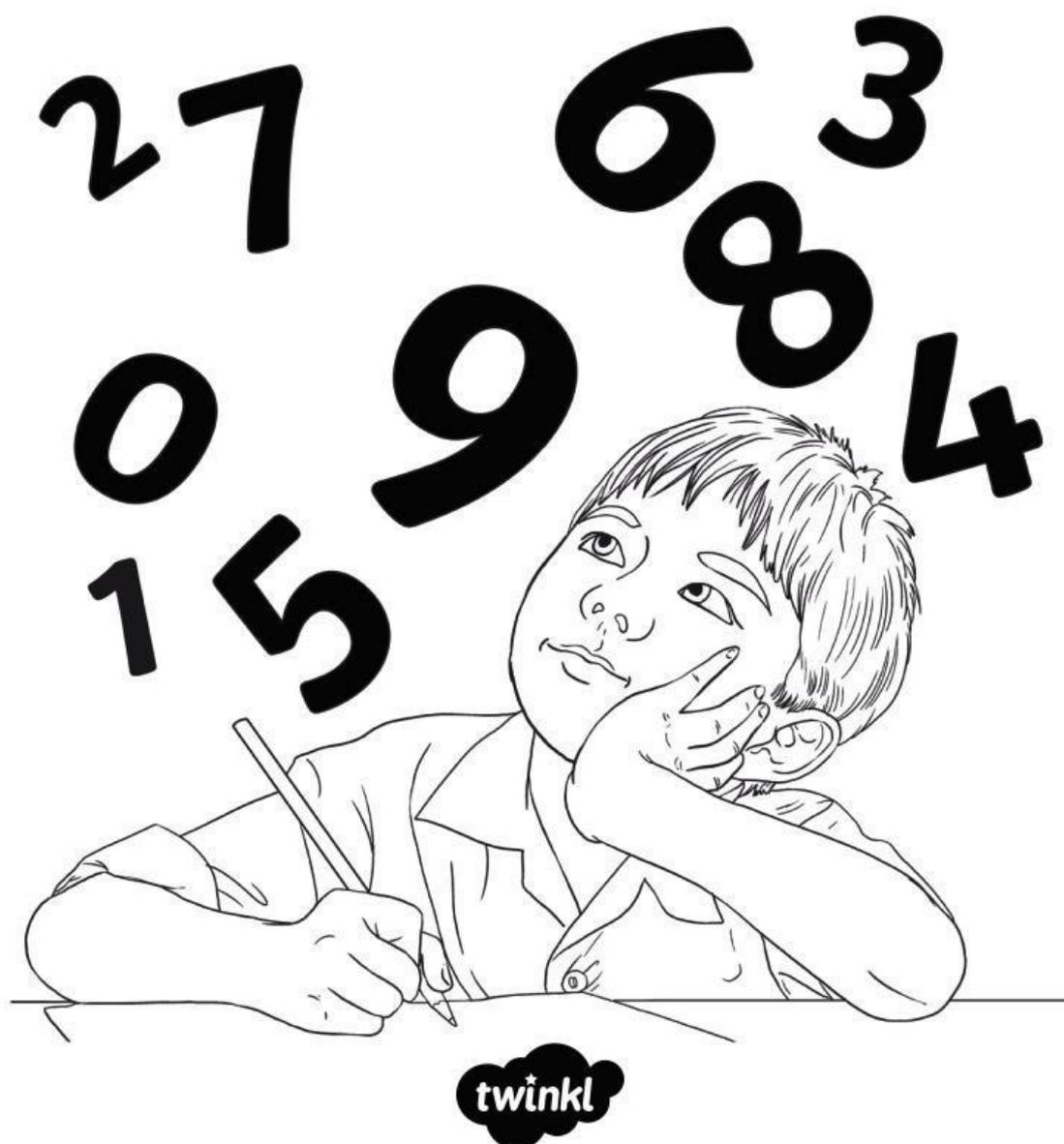


# Maths Activity Booklet



# Number and Place Value

1. Continue these number sequences:

9, 18, 27, 36, 45, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_,

775, 750, 725, 700, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_,

5, 4, 3, 2, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_,

2. Find 100 less than these numbers:

3912 \_\_\_\_\_

9201 \_\_\_\_\_

1083 \_\_\_\_\_

3. Find 1000 less than these numbers:

59 003 \_\_\_\_\_

17 351 \_\_\_\_\_

20 882 \_\_\_\_\_

4. What is the value of the underlined digit in each number?

1846 \_\_\_\_\_

2004 \_\_\_\_\_

1589 \_\_\_\_\_

5. Put these numbers in order from smallest to largest.

10 111

11 011

10 011

11 110

11 101

**Smallest**

**Largest**

6. Compare these numbers using <, > or =.

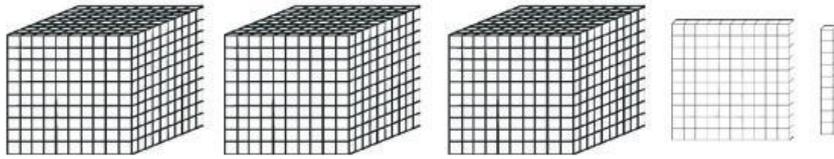
454  544

660  606

2 tens 4 ones  24 ones

# Representing Number

1. What number is shown below? \_\_\_\_\_



2. Complete the table, showing the numbers in numerals and words.

|        |   |
|--------|---|
| 2109   |   |
|        | One thousand, two hundred and ninety-three. |
| 29 431 |   |
|        | Seventy-five thousand and ninety-eight.     |

3. Use the information in the table to work out the value of these Roman numerals.

LXXII = \_\_\_\_\_

XIV = \_\_\_\_\_

CCLIX = \_\_\_\_\_

| Roman | Numeral |
|-------|---------|
| I     | 1       |
| V     | 5       |
| X     | 10      |
| L     | 50      |
| C     | 100     |

6

7

2

5

9

4. a) What is the largest number that can be made from these digit cards? \_\_\_\_\_

b) What is the smallest number that can be made from these digit cards? \_\_\_\_\_



# Multiplication and Division

1. Fill in the missing numbers in the multiplication square.

| <b>x</b>  | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>6</b> | <b>7</b> | <b>8</b> | <b>9</b> | <b>10</b> | <b>11</b> | <b>12</b> |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|
| <b>1</b>  | 1        | 2        |          | 4        |          | 6        |          | 8        | 9        |           | 11        | 12        |
| <b>2</b>  | 2        |          | 6        | 8        |          | 12       | 14       |          | 18       | 20        |           | 24        |
| <b>3</b>  | 3        |          |          | 12       | 15       |          | 21       | 24       |          | 30        | 33        |           |
| <b>4</b>  |          | 8        | 12       |          | 20       | 24       |          | 32       | 36       |           | 44        | 48        |
| <b>5</b>  | 5        | 10       |          | 20       | 25       |          | 35       | 40       |          | 50        | 55        |           |
| <b>6</b>  | 6        |          | 18       | 24       | 30       | 36       |          |          | 54       | 60        |           | 72        |
| <b>7</b>  |          | 14       | 21       |          |          | 42       | 49       | 56       |          | 70        | 77        |           |
| <b>8</b>  | 8        | 16       |          | 32       | 40       |          | 56       | 64       | 72       |           | 88        | 96        |
| <b>9</b>  |          | 18       | 27       |          | 45       | 54       | 63       |          | 81       | 90        | 99        | 108       |
| <b>10</b> | 10       |          | 30       | 40       |          | 60       | 70       | 80       | 90       | 100       |           | 120       |
| <b>11</b> |          | 22       | 33       |          | 55       | 66       |          | 88       |          |           | 121       |           |
| <b>12</b> | 12       | 24       |          | 48       | 60       |          | 84       |          | 108      | 120       |           | 144       |

2. Explain the pattern of the 9 times table.

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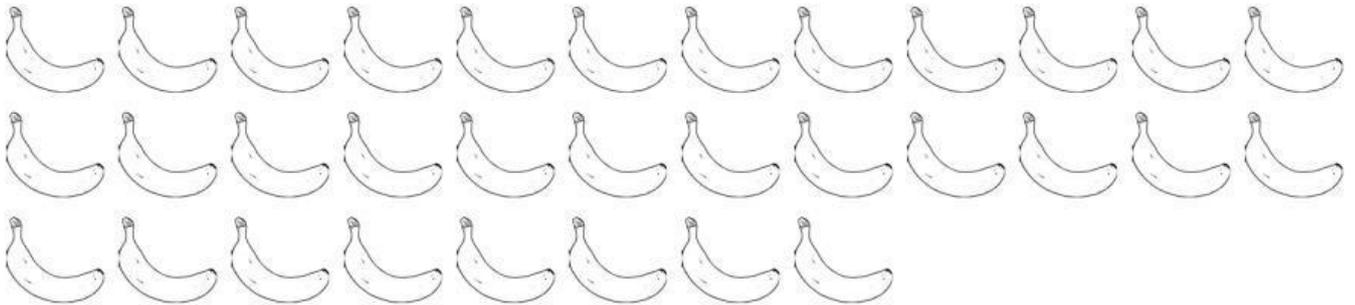
# Fractions

1. Continue the number sequences.

$$\frac{2}{10}, \frac{3}{10}, \frac{4}{10}, \frac{5}{10}, \square, \square, \square, \square, \square$$

$$\frac{56}{100}, \frac{54}{100}, \frac{52}{100}, \frac{50}{100}, \square, \square, \square, \square$$

2. Find  $\frac{6}{8}$  of these bananas.



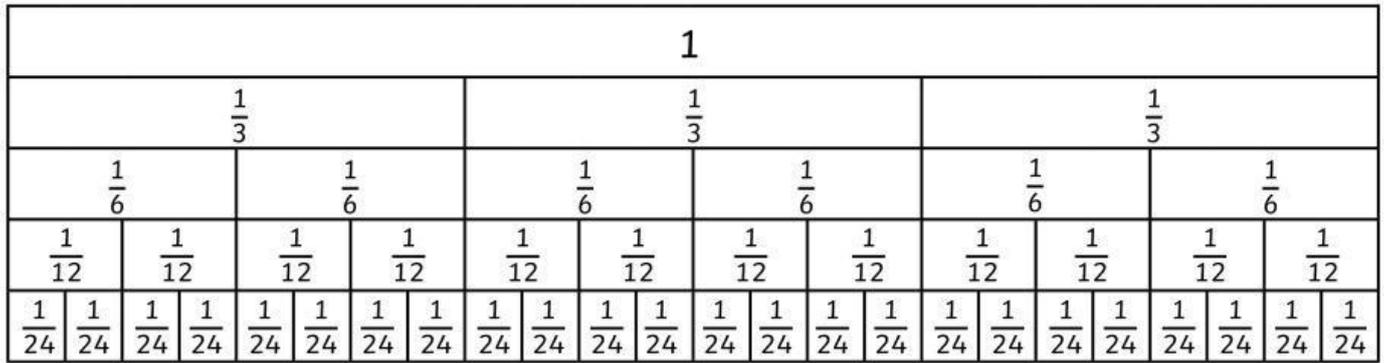
3. a) What fraction of the shape is shaded? \_\_\_\_\_



b) Write 2 equivalent fractions to the amount shaded.

\_\_\_\_\_

4. Use the fraction wall to help you answer these questions.



- a) How many sixths are equivalent to  $\frac{2}{3}$  ? \_\_\_\_\_
- b) How many twelfths are equivalent to  $\frac{6}{24}$  ? \_\_\_\_\_
- c) How many twenty-fourths are equivalent to  $\frac{5}{6}$  ? \_\_\_\_\_
- d) Would you rather have  $\frac{7}{12}$  or  $\frac{15}{24}$  of a cake? Why? \_\_\_\_\_
- 

5. Complete these calculations:

$$\frac{1}{10} + \frac{3}{10} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\frac{3}{8} + \frac{4}{8} = \underline{\hspace{2cm}}$$

$$\frac{7}{9} - \frac{2}{9} = \underline{\hspace{2cm}}$$

$$\frac{4}{6} - \frac{1}{6} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

6. Put these fractions in order from smallest to largest.

$\frac{3}{6}$

$\frac{2}{3}$

$\frac{1}{10}$

$\frac{2}{8}$

$\frac{5}{6}$

**Smallest**

**Largest**

# Fractions and Decimals

1. Match the decimal to its equivalent fraction.

|                 |      |
|-----------------|------|
| $\frac{1}{2}$   | 0.01 |
| $\frac{1}{10}$  | 0.6  |
| $\frac{3}{4}$   | 0.5  |
| $\frac{6}{10}$  | 0.1  |
| $\frac{1}{100}$ | 0.75 |

2. Complete the table. One has been done for you.

|           | $\div 10$ | $\div 100$ |
|-----------|-----------|------------|
| <b>13</b> | 1.3       | 0.13       |
| <b>42</b> |           |            |
| <b>68</b> |           |            |
| <b>3</b>  |           |            |

3. Round these decimals to the nearest **whole** number.

|      |       |
|------|-------|
| 1.2  | _____ |
| 5.6  | _____ |
| 2.21 | _____ |
| 3.5  | _____ |
| 1.55 | _____ |

4. Compare these decimals using  $<$ ,  $>$  or  $=$ .

$0.5 \square 0.05$

$1.02 \square 1.020$

$3.75 \square 3.775$

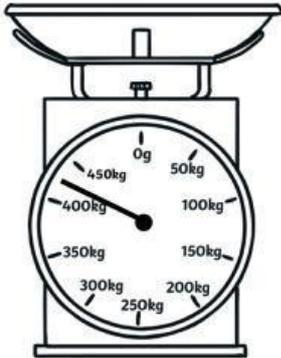
# Measurement

1. a) Measure this line using a ruler. Write its length in cm and in mm.

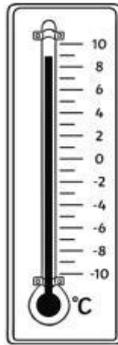
\_\_\_\_\_ = \_\_\_\_\_

b) Use a ruler to draw a line that measures 53mm.

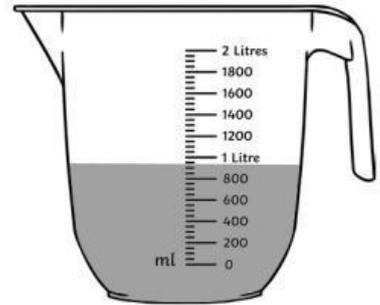
2. Write the amount shown on each scale.



\_\_\_\_\_ kg



\_\_\_\_\_ °C



\_\_\_\_\_ ml

3. Convert these units.

a) 1500g = \_\_\_\_\_ kg

d) 12.5cm = \_\_\_\_\_ mm

b) 2450g = \_\_\_\_\_ kg

e) 1.2km = \_\_\_\_\_ m

c) 1.75m = \_\_\_\_\_ cm

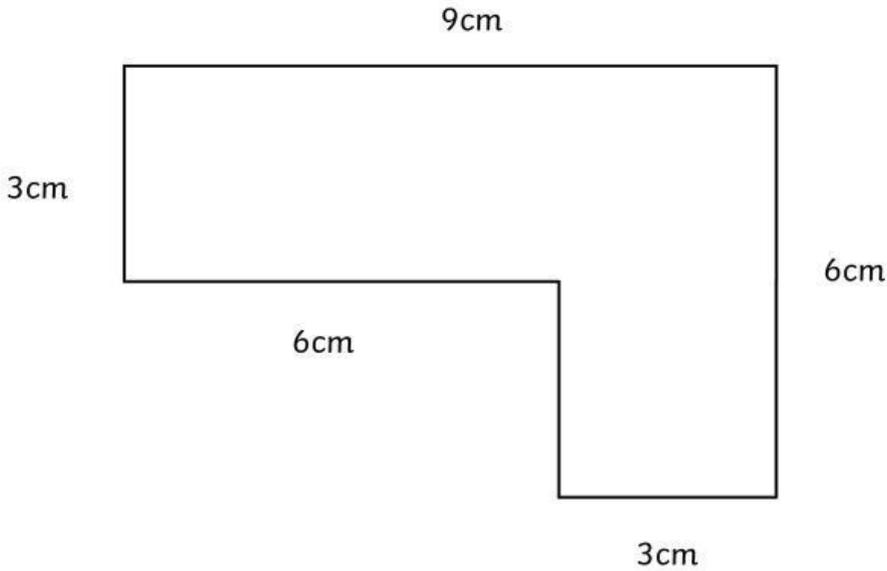
f) 2300ml = \_\_\_\_\_ l

4. Anna says five 750ml bottles will hold more than three 1l bottles. Is she right? Explain how you know.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

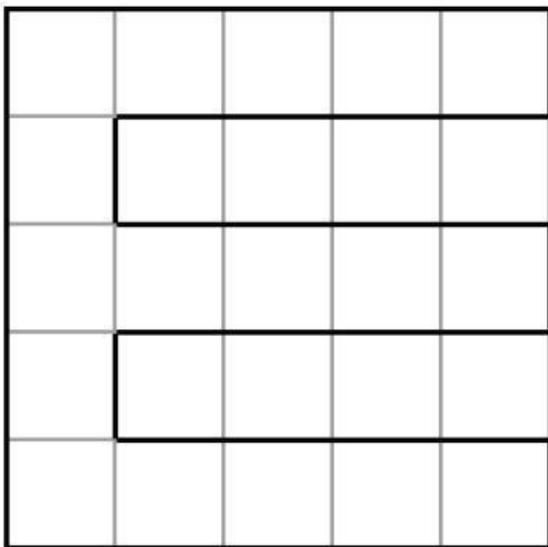
# Area and Perimeter

1. Calculate the perimeter of this shape.



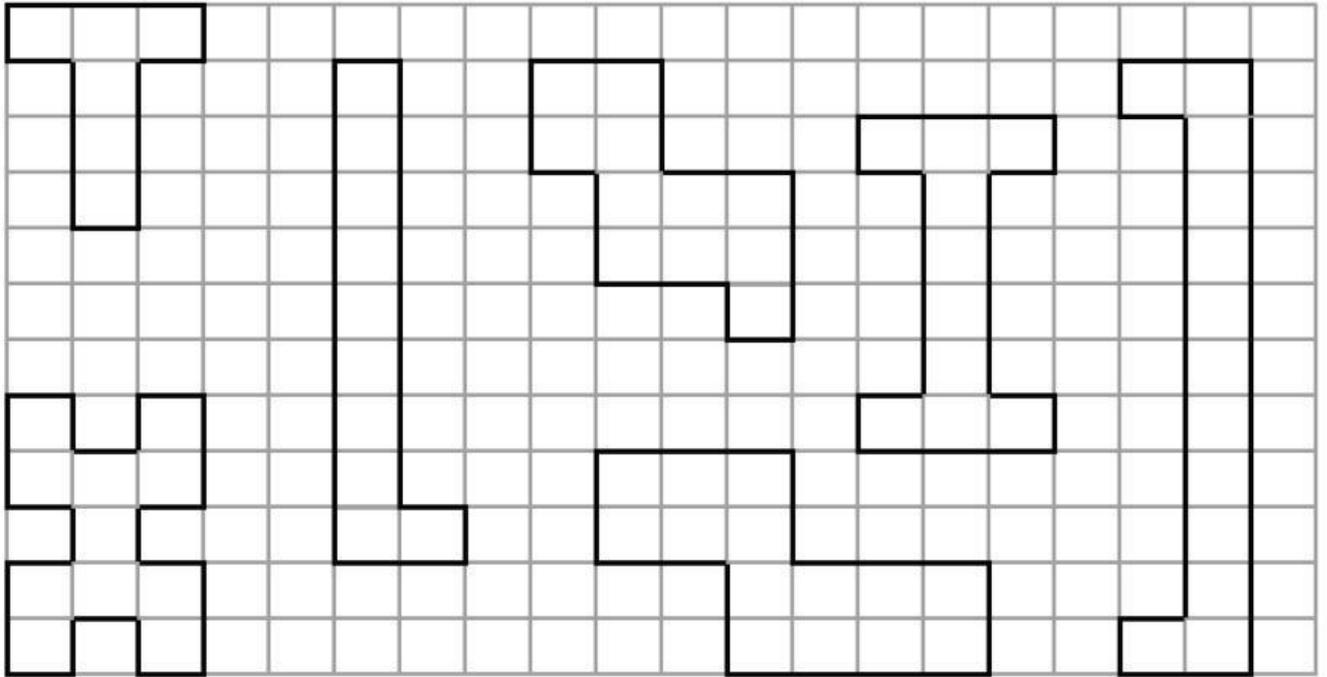
Perimeter = \_\_\_\_\_ cm

2. What is the area of this shape?



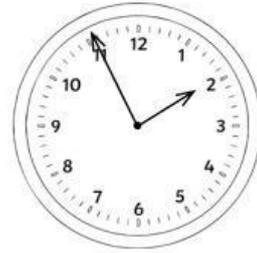
Area = \_\_\_\_\_ cm<sup>3</sup>

3. Which of these shapes has the largest area? Circle the shape below.



# Time

1. Write the time these clocks show.

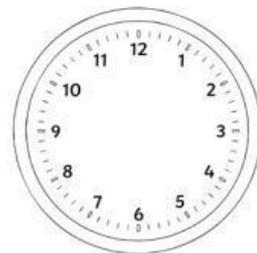
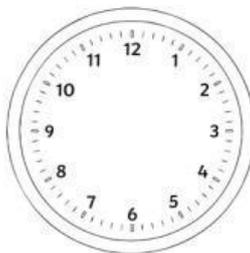


\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

2. Draw the hands to show the given time on each clock.



1:15 or quarter past 1

4:50 or ten to 5

7:45 or quarter to 8

3. A film lasts for 165 minutes. How long is the film in minutes and hours?

\_\_\_\_\_

4. Complete the sentences.

There are \_\_\_\_\_ seconds in 1 minute.

There are \_\_\_\_\_ minutes in 1 hour.

There are \_\_\_\_\_ hours in 1 day.

There are \_\_\_\_\_ days in 1 week.

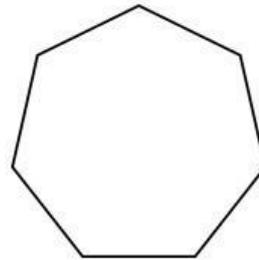
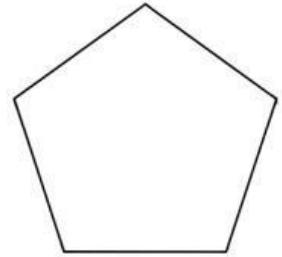
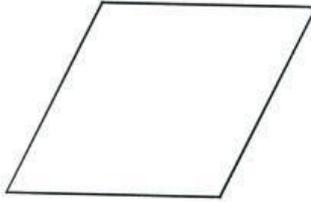
There are \_\_\_\_\_ days in 1 year.

There are \_\_\_\_\_ months in 1 year.

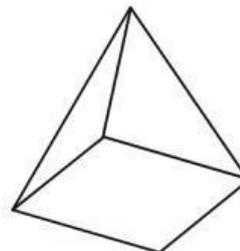
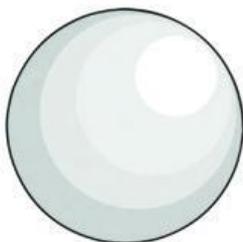
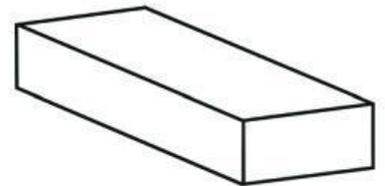
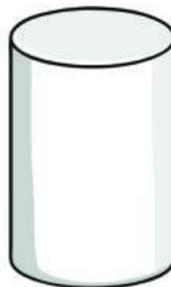
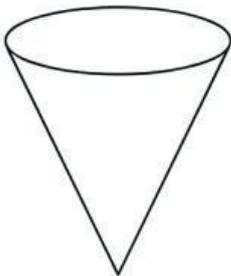
5. How many days are in June? \_\_\_\_\_

# Shape

1. Name these 2D shapes.

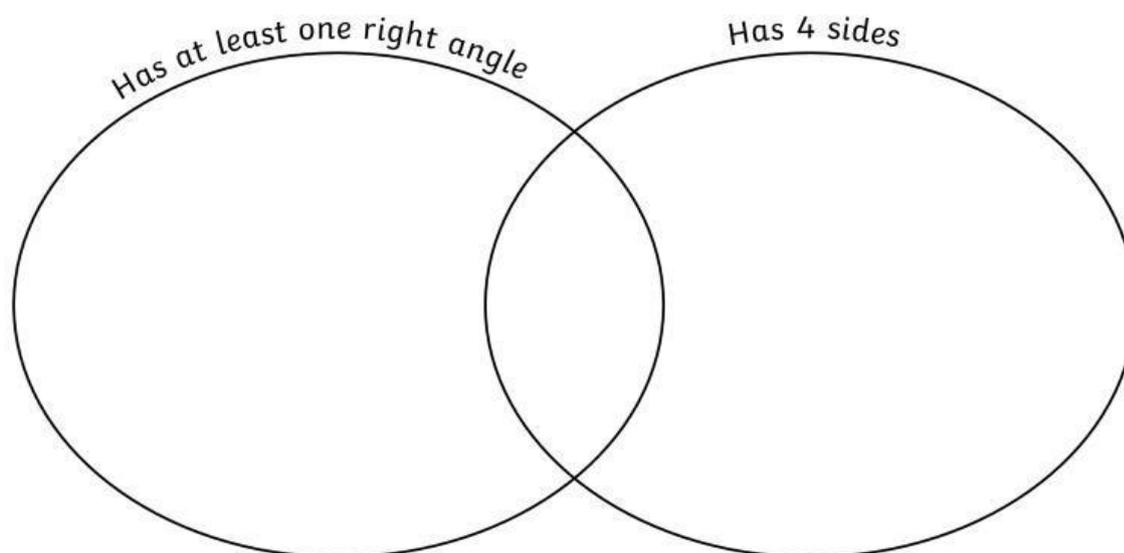


2. Name these 3D shapes.



3. Draw the following shapes in the correct places on the Venn diagram.

- square
- right angled triangle
- pentagon
- parallelogram



4. Match the type of triangle to its definition.

Equilateral

One angle is a right angle

Isosceles

All sides and angles are equal

Scalene

2 sides and angles are equal

Right-angled triangle

No sides or angles are equal