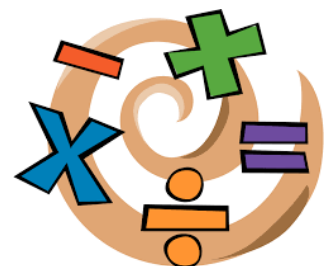


Hello!

The Maths department have put together a selection of tasks for you to complete. Do what you can and don't worry if you get a bit stuck!

Don't forget that you can still work on Mathletics and there is also some online tasks and games on the school website.



Maths - Pathway 3

Task 1 - Addition and Subtraction

Complete these addition calculations.

$$\begin{array}{r} 673 \\ + 18 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 457 \\ + 25 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 304 \\ + 69 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 615 \\ + 38 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 149 \\ + 16 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 805 \\ + 85 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 672 \\ + 42 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 581 \\ + 67 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 292 \\ + 36 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 670 \\ + 72 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 662 \\ + 75 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 387 \\ + 51 \\ \hline \\ \hline \end{array}$$

Complete these subtraction calculations.

$$\begin{array}{r} 343 \\ - 18 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 641 \\ - 25 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 472 \\ - 67 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 473 \\ - 38 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 620 \\ - 16 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 364 \\ + 46 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 415 \\ - 33 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 528 \\ - 67 \\ \hline \\ \hline \end{array}$$

Task 2 - Multiplication & Division

Use your knowledge of multiplication and division to solve these problems.

1

There are **56** legs.
How many spiders are there?



2

Complete the facts about this array.

$$6 \times \square = 48$$

$$8 \times \square = 48$$

$$\square \div 6 = 8$$

$$48 \div 8 = \square$$



3

What does 😊 represent?

$$2 \times \text{😊} = 24$$

$$\text{😊} \times 2 = 24$$

$$24 \div \text{😊} = 2$$

$$24 \div 2 = \text{😊}$$

4

How many egg boxes would you need if Helen the hen laid 50 eggs?



5

Find the missing digit.

$$\begin{array}{r} 2 \square \\ \times \quad 4 \\ \hline 80 \end{array}$$

6

Find the incorrect number in these sequences.

a) 4, 8, 12, 14, 20, 24, 28, 32.

b) 64, 56, 46, 40, 32, 24, 16, 8.

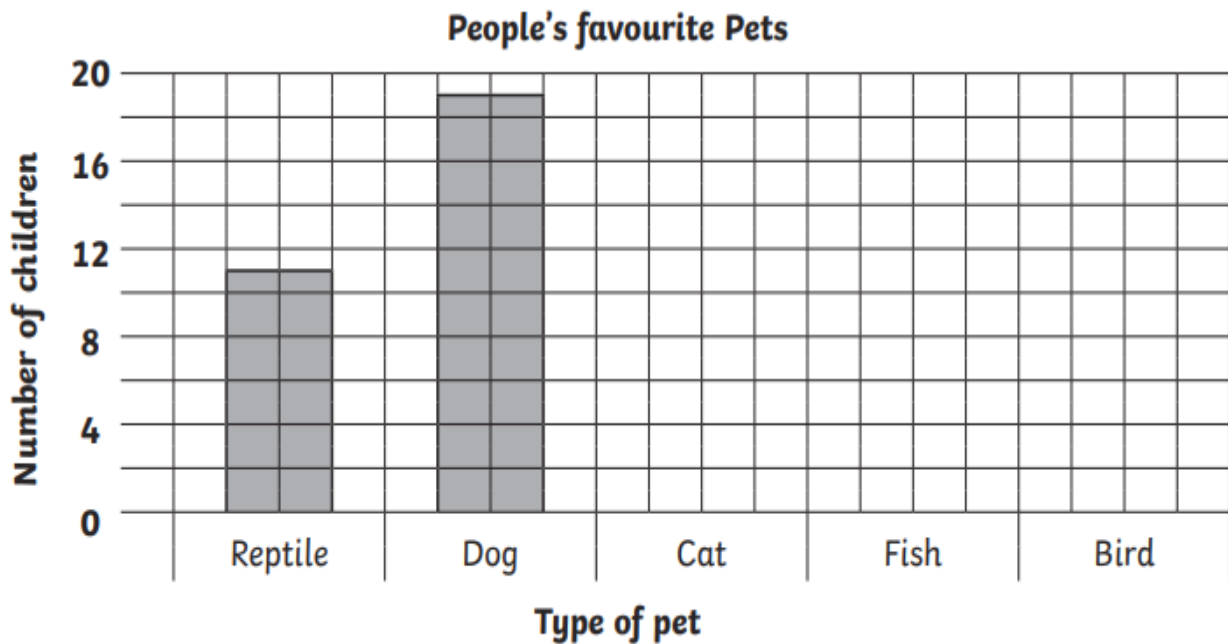
c) 6, 9, 12, 16, 18, 21, 24.

Task 3 - Data Handling

A group of children record their favourite pets. Here are the results.

Look carefully at the scale being used - 1 square = 2 children.

| Favourite Pet | Reptile | Dog | Cat | Fish | Bird |
|--------------------|---------|-----|-----|------|------|
| Number of Children | | | 18 | 8 | 9 |



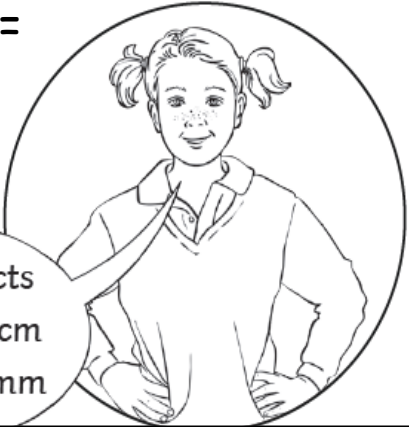
1. Complete the table above with the number of children who said 'dog' was their favourite pet.
2. Draw the bars on to show the number of children who chose cat', 'fish' and 'bird' as their favourite pet.
3. Which was the least popular pet? _____
4. How many more preferred dogs to reptiles? _____
5. How many children chose reptile and bird in total? _____
6. How many children took part in the survey? _____

Task 4 - Measurement (Length)

The length of objects can be measured using metres (m), centimetres (cm) or millimetres (mm) depending on their size.

Compare these measurements using $<$, $>$ or $=$

| | | |
|------|--|-------|
| 12cm | | 15cm |
| 9cm | | 4cm |
| 1cm | | 10mm |
| 35mm | | 4cm |
| 8m | | 4m |
| 6m | | 12m |
| 3m | | 350cm |
| 4m | | 400cm |



Useful Facts
 $1\text{m} = 100\text{cm}$
 $1\text{cm} = 10\text{mm}$

Remember

Think carefully about whether the units for each measurement.

Order these measurements from shortest to longest.

a) 10cm 25mm 3m

| | | |
|--|--|--|
| | | |
|--|--|--|

b) 45mm 1m 20cm

| | | |
|--|--|--|
| | | |
|--|--|--|

c) 3cm 5m 50mm

| | | |
|--|--|--|
| | | |
|--|--|--|

Task 5 - Measurement (Weight)

Choose a selection of foods from your home.

Look at the information on the labels to complete the table:

| Product | Packet Weight | Best Before Date | Energy (kj per 100g) |
|---------|---------------|------------------|----------------------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Now answer the questions below about your chosen items.

- 1) Which item has the most energy per 100g? _____

- 2) Look at the best before dates. Which items can be kept the longest? _____
- 3) How many items weigh more than 500g? _____
- 4) How many items will keep for more than one year? _____

Write two questions for someone else to answer

- 1) How much heavier is _____ than _____?
- 2) How much longer will _____ last than _____?

Maths Tasks: Pathway 4

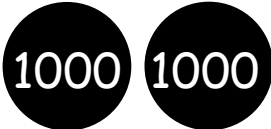
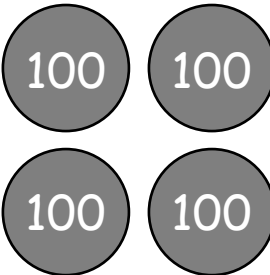
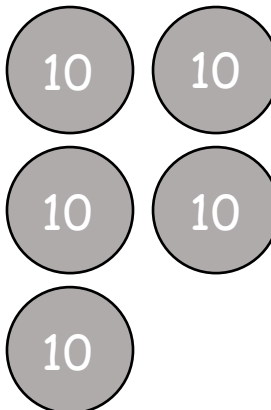
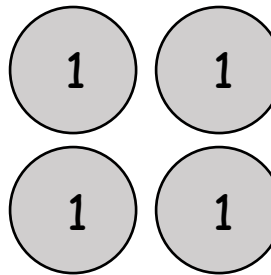
Number

Olivia is counting in 7s from 0 to 70

Circle the numbers she will say.

17 1 7 28 57 63

Max makes a number on a place value grid.

| Thousands | Hundreds | Tens | Ones |
|--|--|---|--|
|  |  |  |  |

What number has Max made?

Max adds some hundred counters.

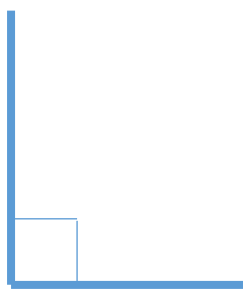
He has now made the number 2,954

How many hundred counters did Max add?

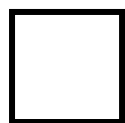
Angles

Here are four angles.

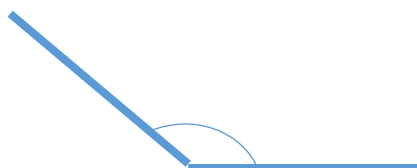
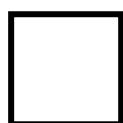
Use the letters to order the angles from smallest to largest.



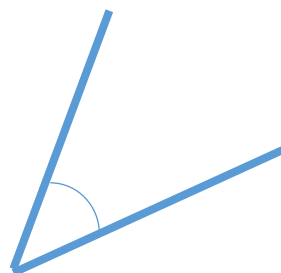
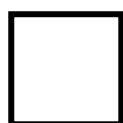
A



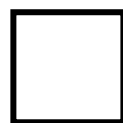
B



C



D



Smallest

largest

Use the words to complete the sentences.

| | | |
|-------|-------------|--------|
| Acute | Right angle | Obtuse |
|-------|-------------|--------|

Angle A is a _____ angle.

Angle B is an _____ angle.

Angle C is an _____ angle.

Angle D is an _____ angle.

Reasoning

Mrs Shore cycles 5 laps of a track. The total distance Mrs Shore cycles is 20 km. Miss Histon cycles 7 laps of the same track. How far does Miss Histon cycle in total?

A train has 8 carriages. Each carriage has 56 seats. How many seats are there on the train altogether?

Here are the prices of three items in a shop.

| | | |
|--|--|--|
|  |  |  |
| Video Game £48.99 | DVD £14.99 | Headphones £27.50 |

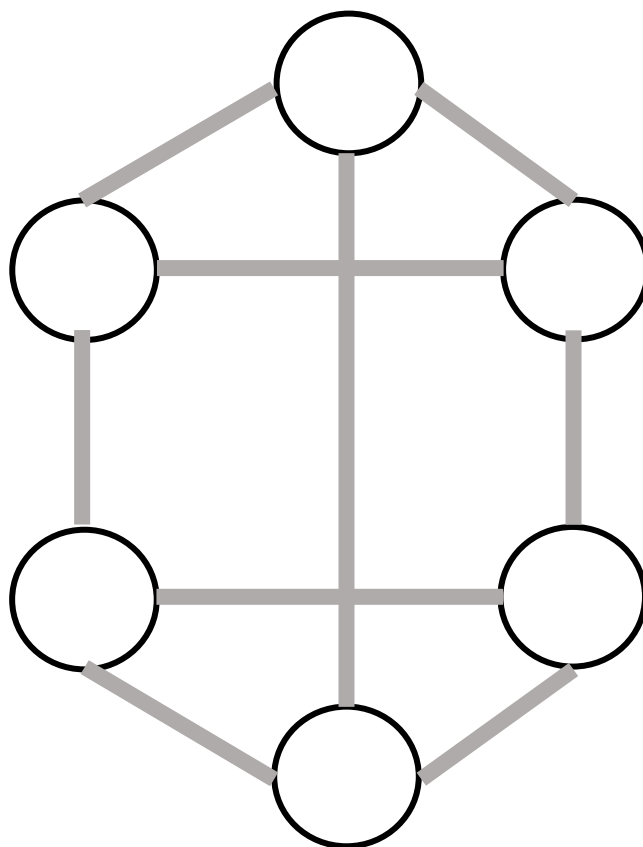
Toby buys a video game and a DVD. He pays with two £20 notes, two £10 notes and one £5 note. How much change does Toby receive?

Lyra wants to buy some headphones. She saves £3 each week. How many weeks does Lyra need to save for?

Problem Thinking

Use each of the numbers 1 to 6 once.

Write one in each circle.



Numbers next to each other must not be joined.
For example, 3 must not be joined to 2 or 4.

1 2 3 4 5 6