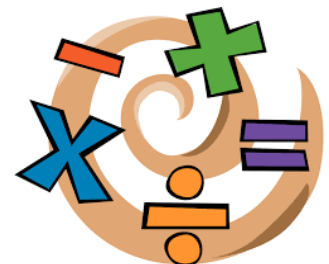


Hello!

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 2

Task 1 - Partition these 2-digit numbers.

$46 = 40 + 6$

$52 = 50 + \underline{\quad}$

$25 = \underline{\quad} + 5$

$31 = \underline{\quad} + \underline{\quad}$

$79 = \underline{\quad} + \underline{\quad}$

$39 = \underline{\quad} + \underline{\quad}$

Now find a different way to partition each number

$46 = 30 + 16$

$52 = 40 + \underline{\quad}$

$25 = \underline{\quad} + 15$

$31 = \underline{\quad} + \underline{\quad}$

$79 = \underline{\quad} + \underline{\quad}$

$39 = \underline{\quad} + \underline{\quad}$

Task 2 - Use these number cards to make the...



a) largest 2-digit number

b) smallest 2-digit number

c) a 2-digit odd number

d) a 2-digit even number

Challenge - can you find the
largest possible 3-digit number?

Task 3 - Related Facts

Use the addition and subtraction facts you know to help you derive facts to 100.

One has been done for you:

$$7 + 2 = 9$$

$$70 + 20 = 90$$

$$7 - 4 =$$

$$70 - 40 =$$

$$4 + 6 =$$

$$40 + 60 =$$

$$3 + 6 =$$

$$30 + 60 =$$

$$5 - 3 =$$

$$50 - 30 =$$

$$8 - 3 =$$

$$80 - 30 =$$

$$10 - 7 =$$

$$100 - 70 =$$

$$9 + 1 =$$

$$90 + 10 =$$

$$5 + 4 =$$

$$50 + 40 =$$

$$3 - 2 =$$

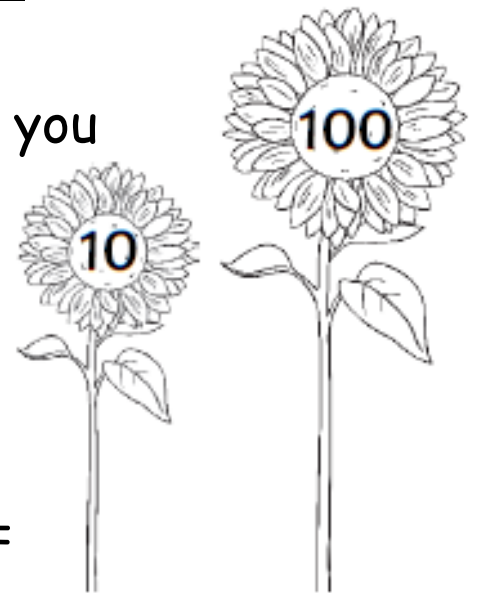
$$30 - 20 =$$

$$9 - 8 =$$

$$90 - 80 =$$

$$10 - 5 =$$

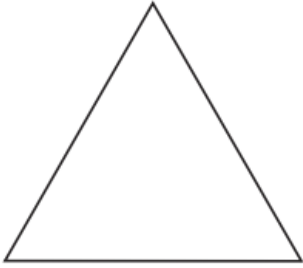
$$100 - 50 =$$



Task 4 - Symmetry

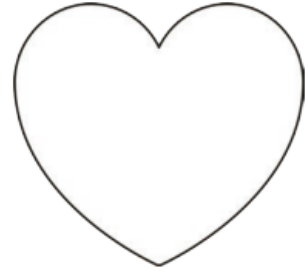
Draw as many lines of symmetry as you can.

1.



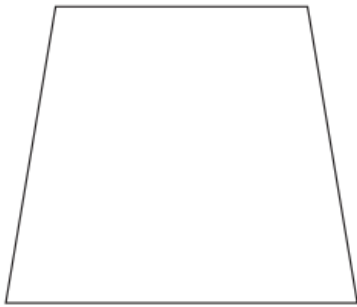
How many lines of symmetry?

2.



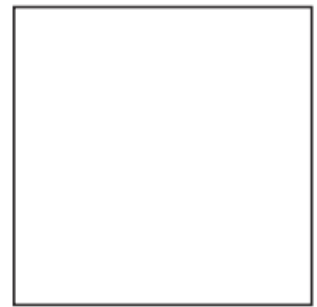
How many lines of symmetry?

3.



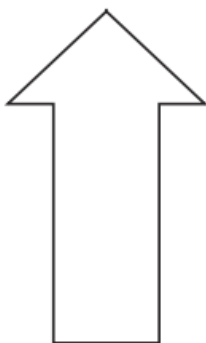
How many lines of symmetry?

4.



How many lines of symmetry?

5.



How many lines of symmetry?

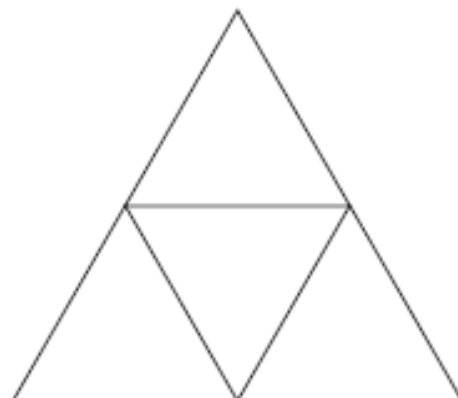
Task 5 - Stained Glass 'Fraction' Windows

Colour the windows to match the fractions.



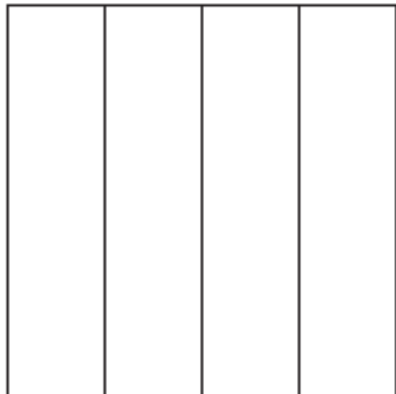
$\frac{1}{2}$ red

$\frac{1}{2}$ blue



$\frac{3}{4}$ blue

$\frac{1}{4}$ yellow

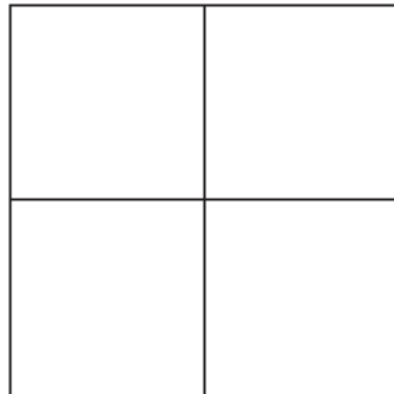


$\frac{1}{4}$ red

$\frac{1}{4}$ blue

$\frac{1}{4}$ green

$\frac{1}{4}$ yellow



$\frac{1}{2}$ green

$\frac{1}{4}$ yellow

$\frac{1}{4}$ red

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.

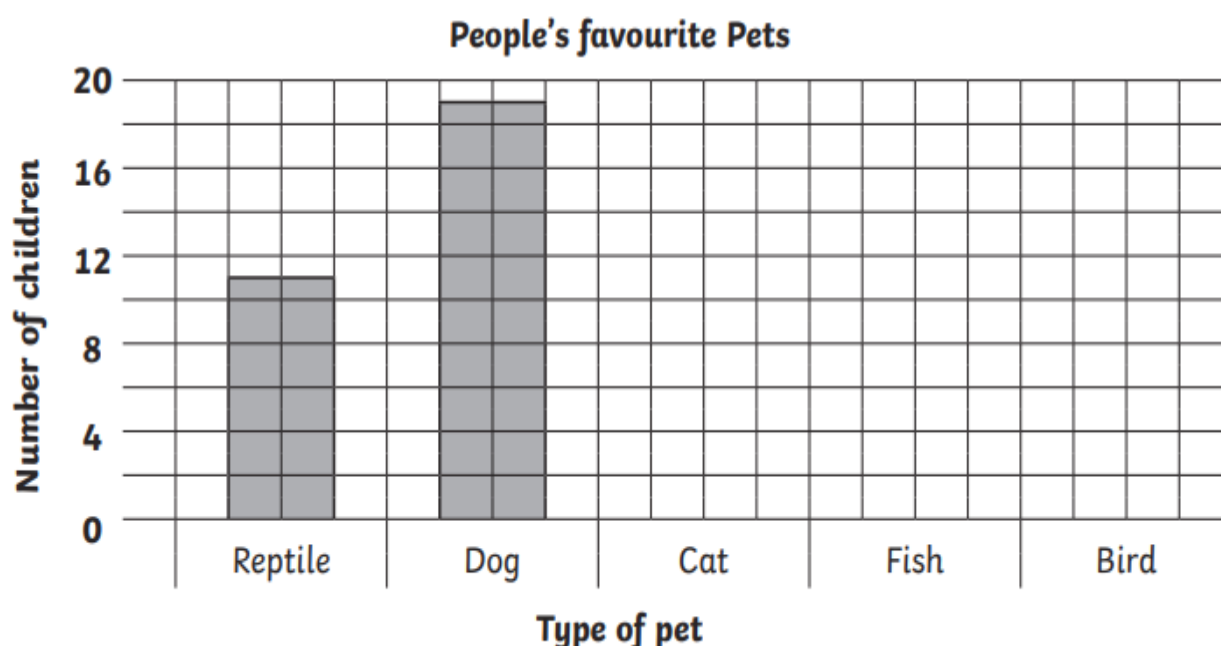
c) 6, 9, 12, 16, 18, 21, 24.

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



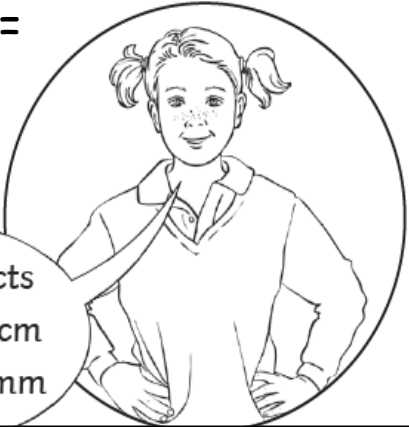
1. Complete the table above with the number of children who said 'dog' was their favourite pet.
2. Draw the bars on to show the number of children who chose cat', 'fish' and 'bird' as their favourite pet.
3. Which was the least popular pet? _____
4. How many more preferred dogs to reptiles? _____
5.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

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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 _____?