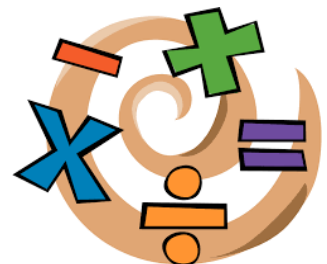# Hello!

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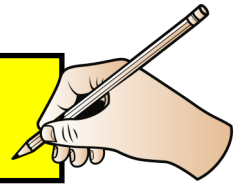
Don't forget that you can still work on Mathletics and there is also some online tasks and games on the school website.

Are they right?

1. Mrs Shore wrote some 2-digit numbers in order from smallest to largest. Is she correct?

   35, 37, 31, 52, 72, 27, 58, 61   yes / no

If no, what order should they be in?

_____

2. Miss Histon wrote some 2-digits numbers from largest to smallest. Is she right?

   86, 54, 45, 72, 40, 37, 19   yes / no

If no, what order should they be in?

_____

3. Mr Sadler hops to the number 25. Mr Poole wants to hop to a number **less** than 25. Circle the numbers he could choose.

   0, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50

4. Solve these addition (+) and subtraction(-) calculations. Draw a number line to help you (remember to count on/back).

a) 52 + 16 =   b) 41 + 24 =   c) 35 + 54 =

d) 25 + 36 =   e) 18 + 36 =   f) 45 + 19 =

g) 89 - 15 =   h) 67 - 23 =   i) 78 - 31 =

j) 56 - 18 =   k) 45 - 26 =   l) 66 - 38 =

Exploring Food

5. Whilst filming in the wilds of Africa, David Attenborough asked 50 members of crew and camera people what food they missed the most when they were out filming. Their results are recorded in the table below.

   Look at the table below

   a) Fill in missing tallies

   b) Complete the missing totals.

Top Tips:

- Use a ruler to draw the bars carefully.

- Leave a space between each one.
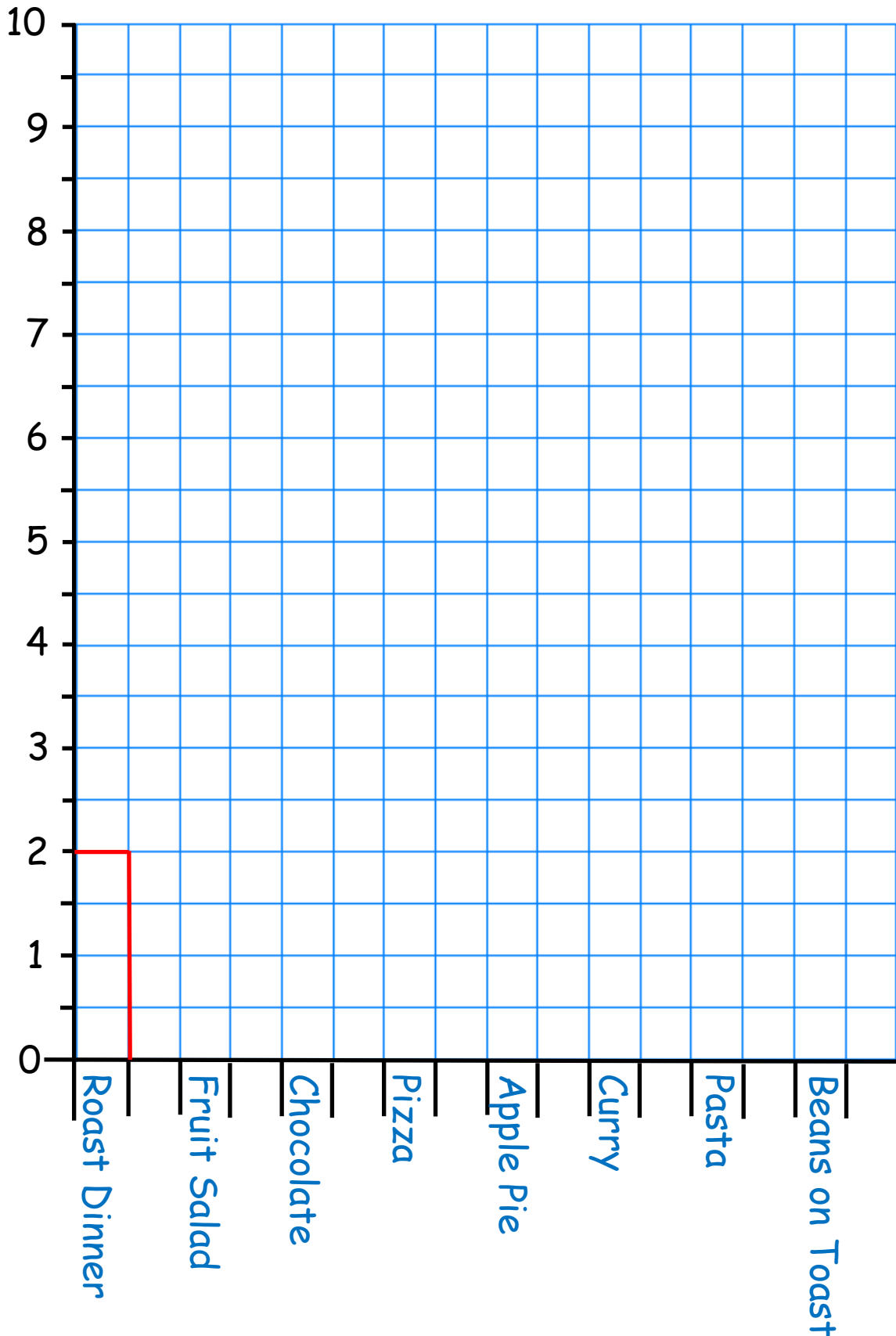
卌 = 5

	Tally	Total
Roast Dinner	II	
Fruit Salad	卌	
Chocolate		10
Pizza	卌 IIII	
Apple Pie		8
Curry		9
Pasta	I	
Beans on Toast	卌 I	

b) Now use the information in the table to help you create a bar chart.

- Use a ruler to draw the bars carefully.

- Leave a space between each one.

Exploring Food

A bar chart grid with the y-axis labelled from 0 to 10 and the x-axis labelled with the following categories: Roast Dinner, Fruit Salad, Chocolate, Pizza, Apple Pie, Curry, Pasta, Beans on Toast. One bar is drawn in red at the Roast Dinner position reaching a value of 2.

c) Use the information table to help you answer these questions:

What was the most popular food?

_____

What was the least popular food?

_____

Which food was half as popular as chocolate?

_____

How many people liked apple pie and chocolate altogether?

_____

What is the difference between those who would miss curry and those who would miss roast dinner?

_____

Which food would you miss most if you went on safari in Africa filming?

_____

Maths - Pathway 3

Task 1 - Place Value

Write these numbers in words...

485 _____

928 _____

711 _____

637 _____

How many different ways can you partition this number?

286

(Remember each way <u>must</u> equal 286)

How many three-digit numbers can you make using the following digits?

2   5   9   4

Task 2 - Multiplication & Division

Complete these multiplication calculations:

```
    7 2 5          9 7 3          3 4 4          2 2 6
  x     3        x     2        x     4        x     3
  _____        _____        _____        _____

  _____        _____        _____        _____
```

```
    5 7 5          8 9 7          9 1 9          8 4 3
  x     2        x     4        x     3        x     5
  _____        _____        _____        _____

  _____        _____        _____        _____
```

```
    2 8 1          4 6 3          6 9 6          4 1 6
  x     5        x     4        x     4        x     4
  _____        _____        _____        _____

  _____        _____        _____        _____
```

Now complete these division calculations:

25 ÷ 5 = [   ]   36 ÷ 4 = [   ]

32 ÷ 8 = [   ]   120 ÷ 10 = [   ]

60 ÷ 5 = [   ]   24 ÷ 3 = [   ]

26 ÷ 2 = [   ]   44 ÷ 4 = [   ]

42 ÷ 3 = [   ]   150 ÷ 10 = [   ]

Task 3 - Fractions

Calculate the amount in each choice and then (circle) the largest amount.

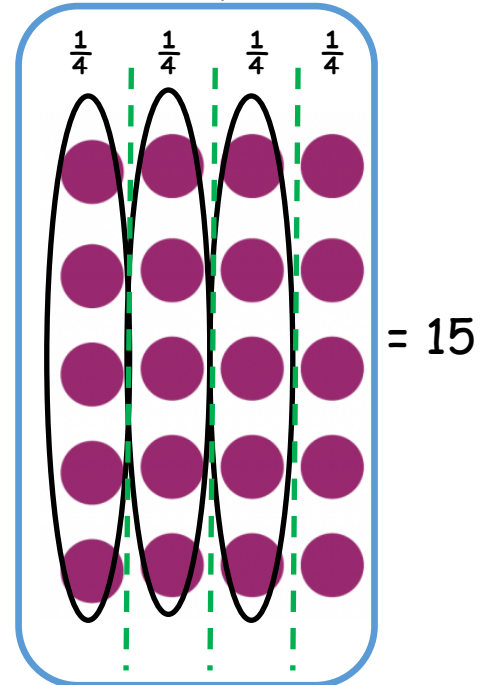Use drawings or calculations to help you work out your answers.

numerator

$$\frac{3}{4} \text{ of } 20 = \underline{\quad}$$

denominator

$20 \div 4 = 5$

$5 \times 3 = 15$

$\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$

= 15

1. Would you rather...? $\frac{3}{8}$ of £48 $\frac{3}{4}$ of £44 $\frac{5}{9}$ of £45

2. Would you rather...? $\frac{2}{6}$ of £54 $\frac{3}{7}$ of £49 $\frac{4}{12}$ of £60

3. Would you rather...? $\frac{5}{6}$ of £72 $\frac{8}{10}$ of £70 $\frac{7}{9}$ of £72

4. Would you rather...? $\frac{1}{4}$ of £2 $\frac{1}{5}$ of £3 $\frac{1}{10}$ of £5

5. Would you rather...? $\frac{8}{10}$ of £1 $\frac{3}{4}$ of £1 $\frac{2}{8}$ of £2

6. Would you rather...? $\frac{1}{2}$ of £5 $\frac{2}{3}$ of £6 $\frac{5}{6}$ of £6

Task 4 - Digital Time

The numbers before the colon show the hours. The numbers after the colon show the minutes.

hours	minutes		hours	minutes
05:00			**06:15**	

The hour is 5.

0 minutes have passed since the hour.
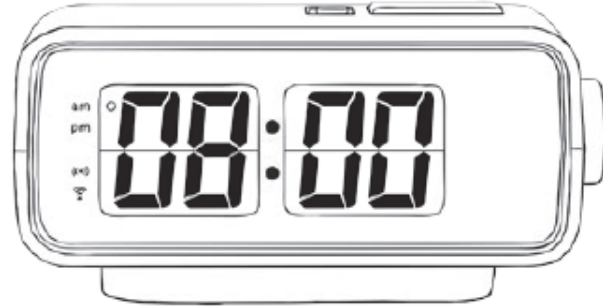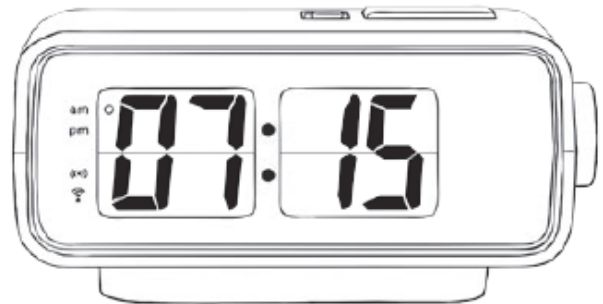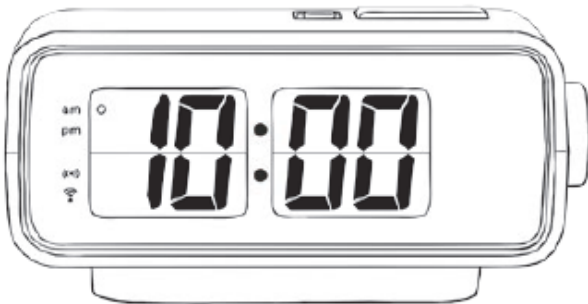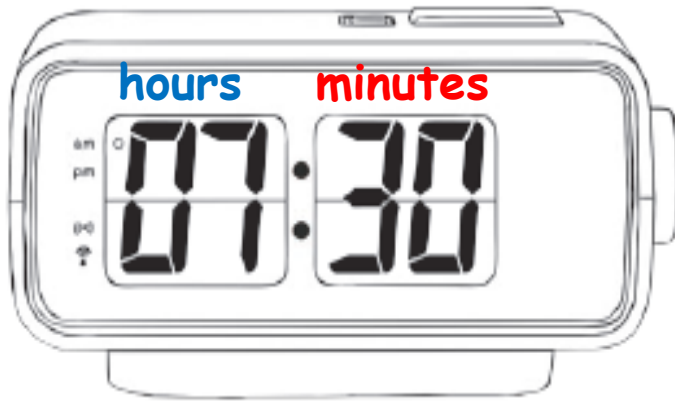
The time is 5 o'clock.

The hour is 6.

15 minutes have passed since the hour.

The time is quarter past 6.

Write the time in words under the digital clocks.

10:00

07:15

_____

_____

09:15

08:00

_____

_____

hours **minutes**

07:30

hours **minutes**

06:45

The hour is 7.

30 minutes have passed since the hour.

The time is half past 7.

The hour is 6.

45 minutes have passed since the hour. Once the minutes have gone past 30, we say how many minutes are left until the next hour.

The time is quarter to 7.

Write the time in words under the digital clocks.

10:30

07:45

_____

_____

11:30

09:45

_____

_____