
MATHS ACTIVITIES

We have attached some extra Maths activities. This week these include:

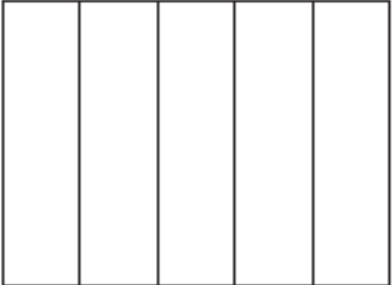
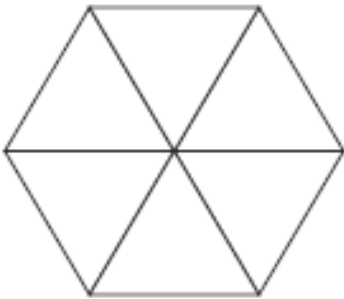
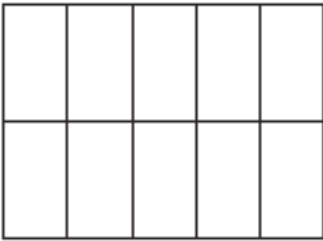
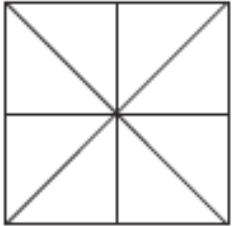
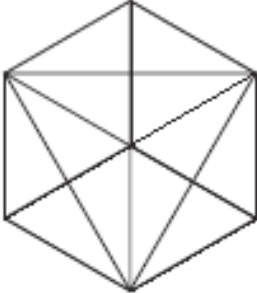
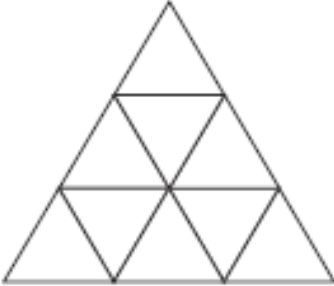


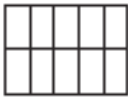



- Fractions
- Representing numbers
- Number Problems
- Data handling
- Parallel and Perpendicular Lines
- Money
- X 3 Times Table

**** Remember you can do as little or as much of the activities that we set. ****


Fractions

Stained Glass Fractions

Colour the windows to match the fractions listed.

 <p>$\frac{2}{5}$: green $\frac{3}{5}$: blue</p>	 <p>$\frac{1}{6}$: green $\frac{3}{6}$: yellow $\frac{2}{6}$: blue</p>	 <p>$\frac{4}{10}$: blue $\frac{2}{10}$: yellow $\frac{1}{10}$: red $\frac{3}{10}$: green</p>
 <p>$\frac{3}{8}$: blue $\frac{2}{8}$: red $\frac{1}{8}$: yellow $\frac{2}{8}$: green</p>	 <p>$\frac{1}{12}$: yellow $\frac{5}{12}$: red $\frac{6}{12}$: green</p>	 <p>$\frac{1}{9}$: yellow $\frac{5}{9}$: green $\frac{3}{9}$: red</p>
<p>$\frac{2}{5}$ of 5 = _____ $\frac{3}{5}$ of 5 = _____</p> 	<p>$\frac{1}{6}$ of 6 = _____ $\frac{3}{6}$ of 6 = _____ $\frac{2}{6}$ of 6 = _____</p> 	<p>$\frac{4}{10}$ of 10 = _____ $\frac{2}{10}$ of 10 = _____ $\frac{1}{10}$ of 10 = _____ $\frac{3}{10}$ of 10 = _____</p> 
<p>$\frac{3}{8}$ of 8 = _____ $\frac{2}{8}$ of 8 = _____ $\frac{1}{8}$ of 8 = _____ $\frac{2}{8}$ of 8 = _____</p> 	<p>$\frac{1}{12}$ of 12 = _____ $\frac{5}{12}$ of 12 = _____ $\frac{6}{12}$ of 12 = _____</p> 	<p>$\frac{1}{9}$ of 9 = _____ $\frac{5}{9}$ of 9 = _____ $\frac{3}{9}$ of 9 = _____</p> 

Representing Numbers Using Base 10

243		699	
562		840	
785		709	
391		112	
669		590	
402		519	
513		101	

Representing numbers



Number problems

Solving Number Problems Using Number Representation

For each of the problems below, begin by representing the number in the place value chart then complete the calculation by adding or subtracting from the appropriate column.

E.g. The Jones family have 56 fish.

Represent 56 in the chart by using dots or base 10 bars.

Hundreds	Tens	Units
		

Then read the rest of the question and add or cross out the extra dots or bars needed.

They buy 10 more. How many do they have altogether?

Don't forget to make a new hundred if you have 10 dots or bars in the tens column.

1. 76 people have attended the School Summer Fayre.

If 10 go home, how many are left?



Hundreds	Tens	Units	Answer

2. Raj has saved £49.

His grandmother gives him £10. How much does he have altogether?



Hundreds	Tens	Units	Answer

3. Bilal collects stamps.
He has 326.

He buys a packet of 100 with his pocket money.
How many does he have now?

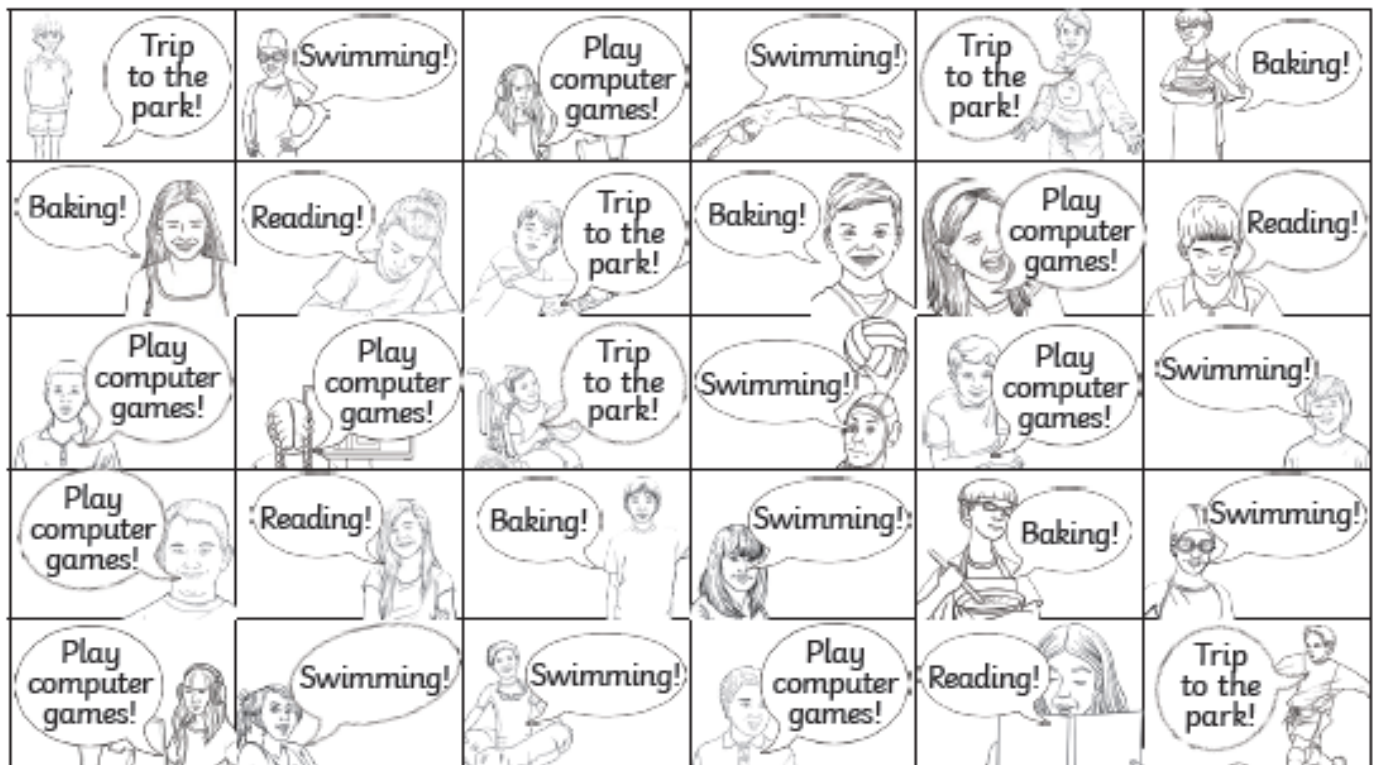


Hundreds	Tens	Units	Answer

Data Handling

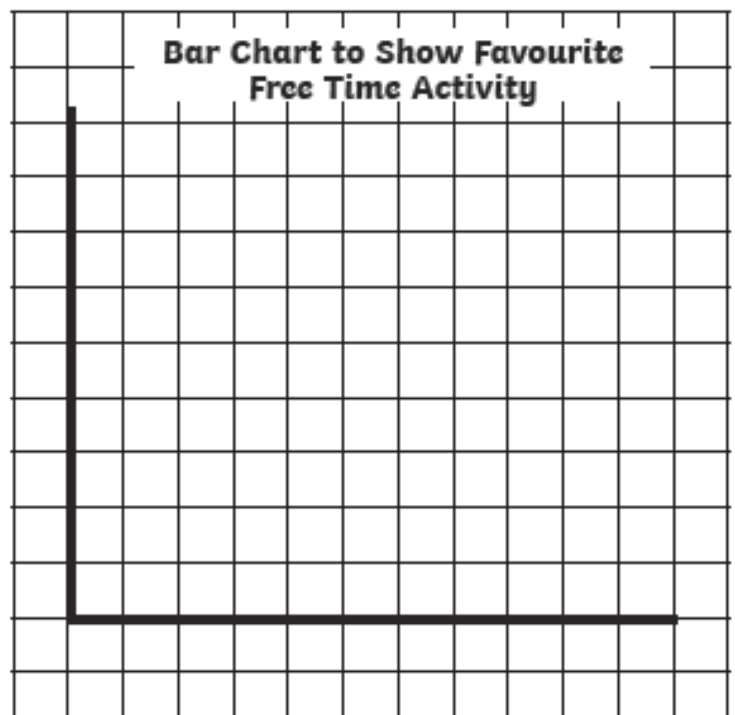
Collecting and Presenting Data

30 children were asked to choose what their favourite activity for a free afternoon at home would be. Here are their answers.



1. Fill in the tally chart and then calculate the total of each response.
2. Draw a bar chart to present your data.

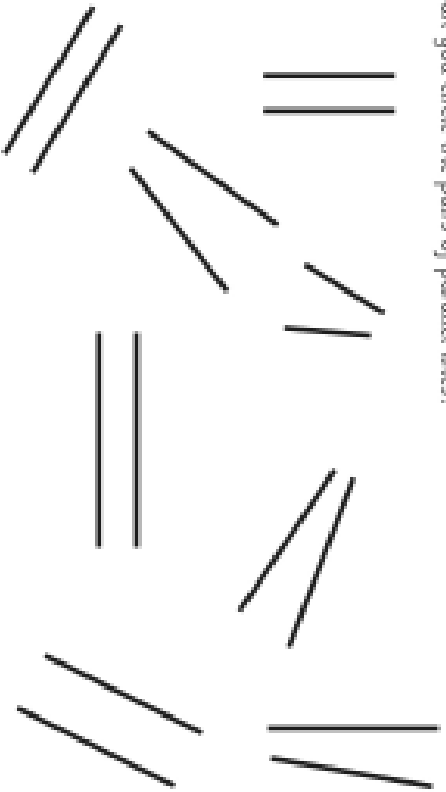
Activity	Tally	Total
Swimming		
Trip to the park		
Play computer games		
Baking		
Reading		



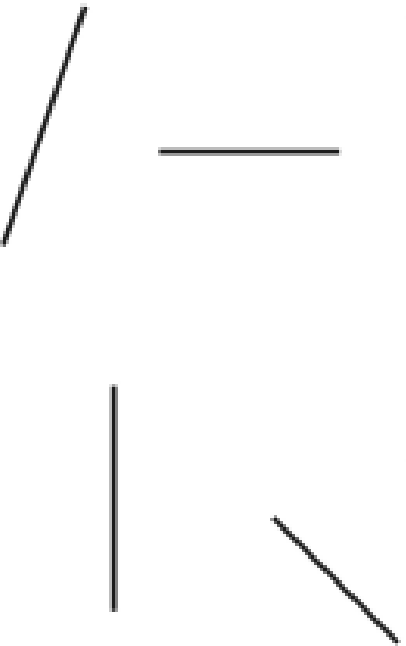
Parallel and Perpendicular Lines

Identifying Parallel Lines

Can you circle the pairs of parallel lines?

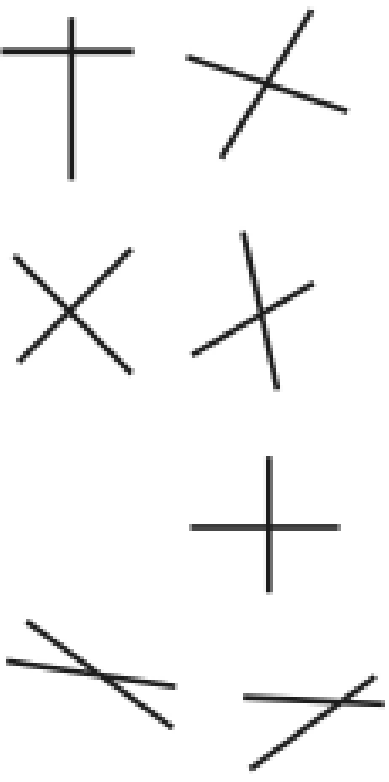


Can you draw lines which are parallel to each of these?

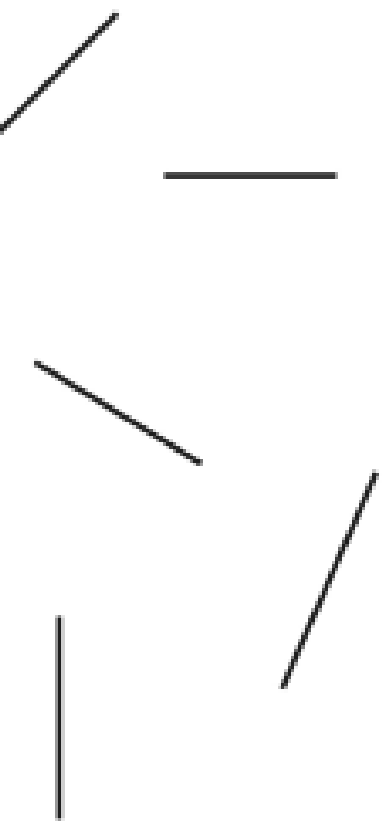


Identifying Perpendicular Lines

Can you circle the pairs of perpendicular lines?



Can you draw lines which are perpendicular to each of these?



Maths Mastery - Money

4. What is the most amount of money that can be made using:

- a) 3 of these coins?
- b) 4 of these coins?
- c) 7 of these coins?

What is the least amount of money that can be made using:

- d) 3 of these coins?
- e) 4 of these coins?
- f) 7 of these coins?



Maths Mastery - Money

5. Freddie has these coins:

Which individual items could Freddie pay for exactly without needing change?



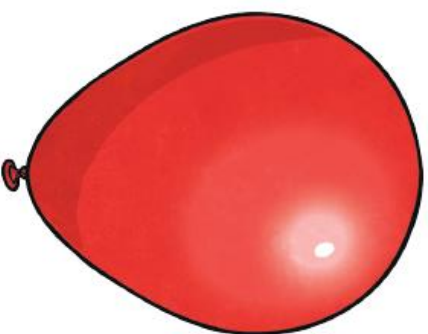
Maths Mastery - Money

6. Ben bought a balloon.

He gave the shopkeeper six coins to pay for it.

What could Ben have paid for the balloon?

Look at your answers. Which ones are reasonable amounts to pay for a balloon?



Maths Mastery - Money

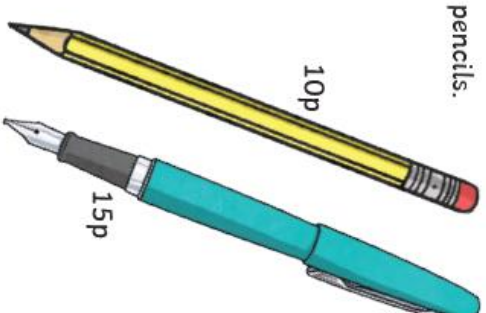
7. Imrik went to buy some pens and pencils.

He had £2.50.

He bought 4 times as many pens as pencils.

He was given 40p change.

How many pens and pencils did he buy?



X3 Times Table

Football-Themed 3 Times Table Mosaic

Solve the calculations to reveal the hidden picture. Each answer has a special colour.

blue
= 1-5

red
= 6-11

**skin colour of
your choice**
= 12

green
= 15-21

black
= 24-27

**hair colour of
your choice**
= 30-33

white
= 36

1×3	$15 \div 3$	$9 \div 3$	$3 \div 3$	11×3	10×3	11×3	$6 \div 3$	$3 \div 3$
$12 \div 3$	$6 \div 3$	$15 \div 3$	$12 \div 3$	8×3	4×3	9×3	$15 \div 3$	$12 \div 3$
$9 \div 3$	$12 \div 3$	$6 \div 3$	$9 \div 3$	4×3	$36 \div 3$	4×3	$9 \div 3$	1×3
$12 \div 3$	$15 \div 3$	$9 \div 3$	$3 \div 3$	$15 \div 3$	4×3	$3 \div 3$	$15 \div 3$	$12 \div 3$
$15 \div 3$	$6 \div 3$	$15 \div 3$	3×3	$30 \div 3$	$18 \div 3$	$27 \div 3$	$24 \div 3$	$6 \div 3$
$9 \div 3$	$12 \div 3$	1×3	4×3	$24 \div 3$	2×3	$21 \div 3$	$36 \div 3$	$12 \div 3$
$3 \div 3$	$9 \div 3$	$9 \div 3$	$36 \div 3$	$27 \div 3$	$33 \div 3$	2×3	4×3	1×3
5×3	7×3	6×3	7×3	4×3	7×3	$36 \div 3$	5×3	7×3
9×3	12×3	5×3	6×3	$18 \div 3$	6×3	$24 \div 3$	7×3	6×3
12×3	8×3	6×3	9×3	8×3	5×3	9×3	8×3	5×3

Challenge: Use the inverse operation to write a related fact for these division calculations. Explain how you calculated the inverse.

$$21 \div 3 = 7$$

$$30 \div 3 = 10$$

$$9 \times 3 = 27$$