



Cotsford
Primary School

Cotsford Primary School

Home learning

Year 3/4
Summer 2

Did you know?

- Tomatoes are a fruit and not a vegetable. In fact, tomatoes are the most popular fruit in the world!
- Dark green vegetables contain more vitamin C than light green ones.
- A kiwi fruit contains twice as much vitamin C as an orange.
- Eating more fruits and vegetables can significantly reduce your risk of nasty health problems like heart disease, high blood pressure, obesity and some cancer.
- Killer lemons! With their high acidic content, lemons can zap bacteria (it makes them great for cleaning your kitchen).
- Avocados are the world's most nutritious fruit. They're delicious too!
- A watermelon contains 92% water and just 6% sugar.
- Raisins are dried grapes. They contain lots of sugar.
- The word pasta comes from the Italian word for paste which means a combination of flour and water.
- The sandwich was named after John Montagu, the 4th Earl of Sandwich (maybe he liked picnics...).
- Milk is full of vitamins and minerals, especially calcium.
- Meat is a key source of protein. It's packed with essential nutrients like zinc, iron, and vitamin B12.
- Soya beans (or edamame beans), spinach, calcium-fortified juices, yogurt, and other dairy products have lots of calcium which builds strong bones and teeth and helps keep your nerves, glands, and muscles healthy.
- Want healthy gums, teeth and skin that heals super fast? Munch on apricots, bell peppers, cabbage, cantaloupes, grapefruits, kiwi fruit, lemons, limes, oranges, papaya, pineapples, spinach, tomatoes and watermelons (but not all in one go!)

Read the recipe then create your own recipe for your favourite food.

Easy bread



3 hours



8 people



Caution: Check for allergies

Ingredients

- 500 g strong bread flour (granary, wholewheat or white)
- 2 tbsp olive oil
- 7 g sachet fast-action dried yeast
- 1 tbsp clear honey
- 300 ml hand-hot water
- 1 tsp salt
- extra olive oil for greasing

Method

- 1** Tip the flour, yeast and salt into a large bowl and mix well with your hands.
- 2** Mix the hand-hot water with the oil and honey, then stir into the dry ingredients to make a soft dough.
- 3** Place the dough onto a lightly floured surface and knead for 10 minutes, until the dough no longer feels sticky.
- 4** Put the dough in a lightly greased bowl and leave to rise for 1 hour until doubled in size.
- 5** Knead the dough lightly then transfer to a loaf tin. Leave to rise in the tin for a further 30 minutes.
- 6** Bake at 200°C/Gas mark 6 for 30–35 minutes, until the loaf is risen and golden.
- 7** Tip the loaf out onto a cooling rack and tap the base of the bread to check it is cooked. It should sound hollow. Leave to cool before eating.



Read the recount of a trip to the supermarket and then create your own recount of a supermarket trip.

Trip to the supermarket

Yesterday lunchtime, my friend Anna and I went to the supermarket to buy some food for a party. First, we made a shopping list of the things we needed. Next, we made sure we had some money in our purses. Finally, we went shopping!

We travelled there on the number 39 bus, which was a double-decker. The bus journey took a long time, as there were lots of red traffic lights on the way.

Eventually, we arrived at the supermarket and checked our list. We needed to buy party food such as pizza and fruit jelly. We took it in turns to get the things we needed from the shelves. Our basket was almost full, and Anna struggled to carry it, so we carried it between us to the checkout. After queuing for 10 minutes, we paid and got £1.38 change.

Just then, we realised we had forgotten to buy some drinks! Anna ran back into the supermarket. We had just enough money to buy a big bottle of orange juice. Five minutes later, we caught the bus home. We unloaded the shopping and put it away in the cupboards and fridge.

Later that afternoon, I started to get the party food ready. Meanwhile, Anna hurriedly decorated the house. We were ready just in time before our guests arrived!



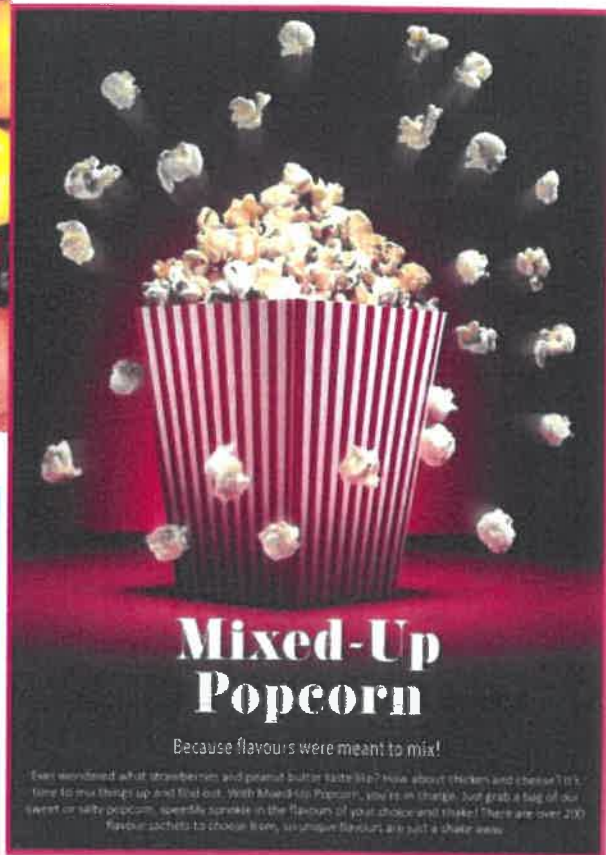
Research a range of food advertisements including posters. Create a poster for your choice of food.



**Fruity Creations
Fruit Construction
Kits**

Build it, eat it, love it.

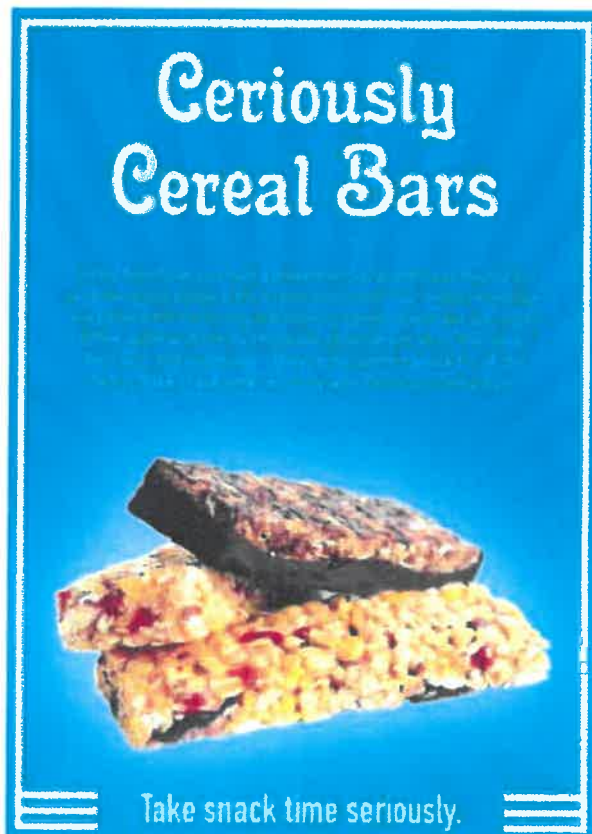
We won't tell you off for playing with your food. In fact, we insist on it. Fruity Creations Fruit Construction Kits are much more than just a healthy snack. Unpack your kit and discover how to craft strawberry shoes, blueberry beetles and much more. Use the tools inside to create a masterpiece and add the finishing touches. How about chocolate toffee bars to go with your banana boat? Yum!



**Mixed-Up
Popcorn**


Because flavours were meant to mix!

Ever wondered what strawberries and peanut butter taste like? How about chicken and cheese? It's time to mix things up and find out. With Mixed-Up Popcorn, you're in charge. Just grab a bag of our sweet or salty popcorn, sprinkle sprinkles in the flavour of your choice and shake! There are over 200 flavour sachets to choose from, so unique flavours are just a shake away.



**Ceriously
Cereal Bars**

Take snack time seriously.



Research fair trade, then explain why fair trade is important.

Fair trade

Where does our food come from?

Farmers and workers from countries all over the world grow lots of different types of crops, including bananas, tea leaves, coffee beans and cocoa beans.

Lots of the produce they grow is sent to shops and supermarkets in Britain for us to buy and enjoy.

Farming can be very hard work but farmers and workers are not always paid or treated fairly. This can mean they struggle to buy food and medicine for themselves and their families, or to send their children to school.



What is Fair trade?

The Fairtrade Foundation works with over one and a half million farmers and workers in countries across the world to make sure they are treated fairly and paid enough money for their work and produce.

Farmers and workers are educated about their rights, including their right to work in a safe and healthy environment.

They are also educated about the best ways to look after their crops and the environment.



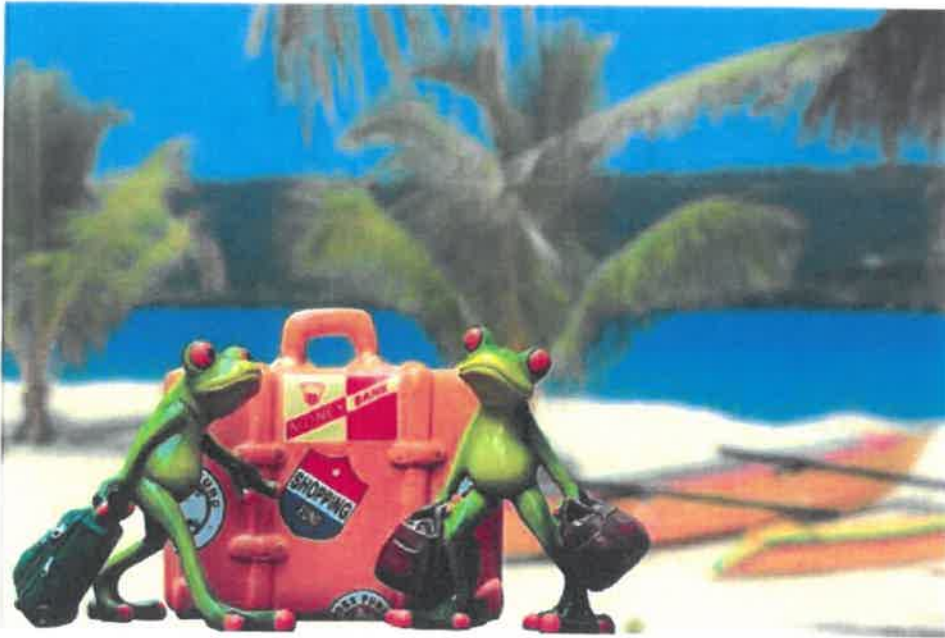
How can I help?

Food and items that have been produced by Fair trade farms are labelled with a special symbol.

If you buy a product with this symbol on, you know the farmers and workers who have produced it have been treated fairly.



Use this picture as inspiration to write a paragraph about the summer holidays of Mr and Mrs Frog.



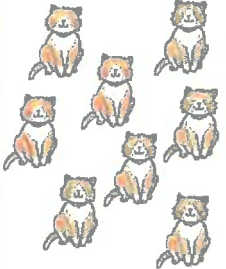
Sentence 1: Include an expanded noun phrase.

Sentence 2: Include the subordinating conjunction 'because'.

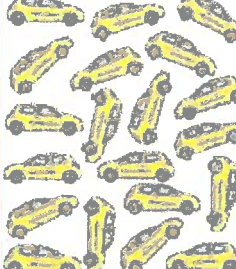
Sentence 3: Include a possessive apostrophe.

Sentence 4: Write an exclamation sentence.

Find $\frac{1}{2}$ or a $\frac{1}{4}$.



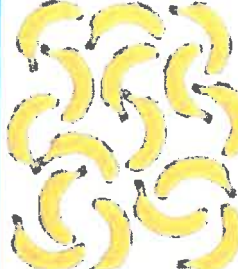
Circle $\frac{1}{2}$ of the cats.




Circle $\frac{1}{4}$ of the cars.



Circle $\frac{1}{2}$ of the sheep.



Circle $\frac{1}{4}$ of the bananas.



Circle $\frac{1}{4}$ of the apples.




Circle $\frac{1}{4}$ of the toothbrushes.



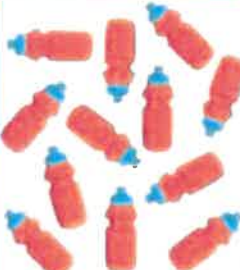
Circle $\frac{1}{2}$ of the rings.



Circle $\frac{1}{4}$ of the flowers.



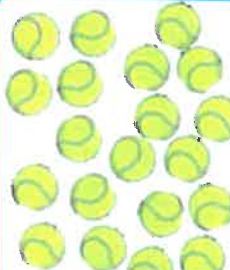
Circle $\frac{1}{4}$ of the caps.



Circle $\frac{1}{2}$ of the bottles.




Circle $\frac{1}{4}$ of the pencils.



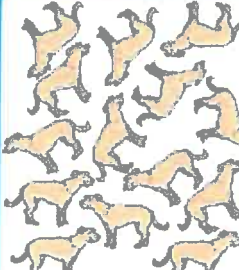
Circle $\frac{1}{2}$ of the tennis balls.



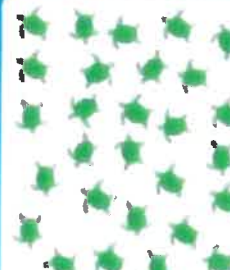
Circle $\frac{1}{2}$ of the beetles.



Circle $\frac{1}{2}$ of the shoes.



Circle $\frac{1}{4}$ of the dogs.



Circle $\frac{1}{4}$ of the turtles.

Create your own fraction pictures

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Find a quarter of these amounts. Use counters or buttons to help, or draw circles around the pictures to find the answer. The first one has been done for you.

8 sweets Quarter of 8 is 2 $\frac{1}{4}$ of 8 = 2

0 kites Quarter of 0 is 0 $\frac{1}{4}$ of 0 = 0

0 cats Quarter of 0 is 0 $\frac{1}{4}$ of 0 = 0

0 flowers Quarter of 0 is 0 $\frac{1}{4}$ of 0 = 0

0 trees Quarter of 0 is 0 $\frac{1}{4}$ of 0 = 0

0 stars Quarter of 0 is 0 $\frac{1}{4}$ of 0 = 0

Draw 8 stars then find a quarter.

Draw 12 flowers then find a quarter.

$\frac{1}{4}$ of 8 =

$\frac{1}{4}$ of 12 =

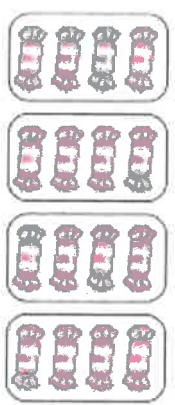
Complete these number sentences.

Quarter of 4 is $\frac{1}{4}$ of 28 =

Quarter of 36 is $\frac{1}{4}$ of 20 =



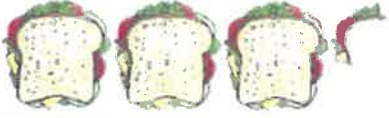

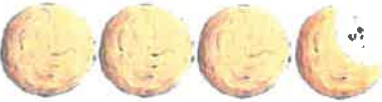

Quarter of 24 is $\frac{1}{4}$ of 32 =

Write your own number sentence for this picture.



Write the fractions for each picture. Then create your own pictures for the scenarios.


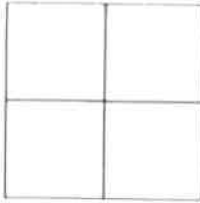
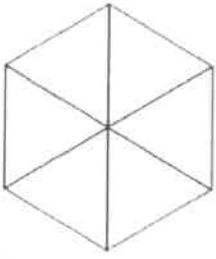
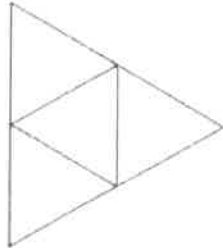
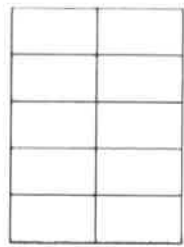
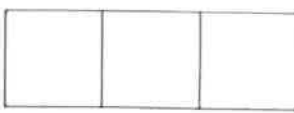
A. What fraction of each food has been eaten?

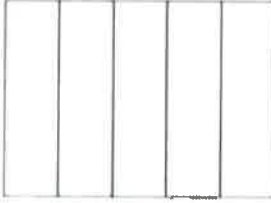
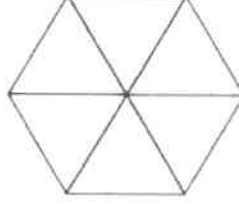
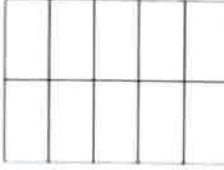
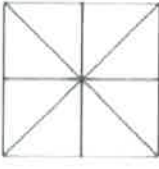
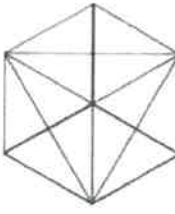
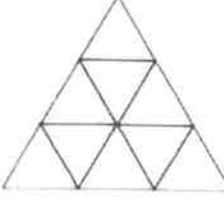
1. 	$2/4$
2. 	
3. 	
4. 	
5. 	
6. 	

B. Draw these scenarios in the same style as the questions above.

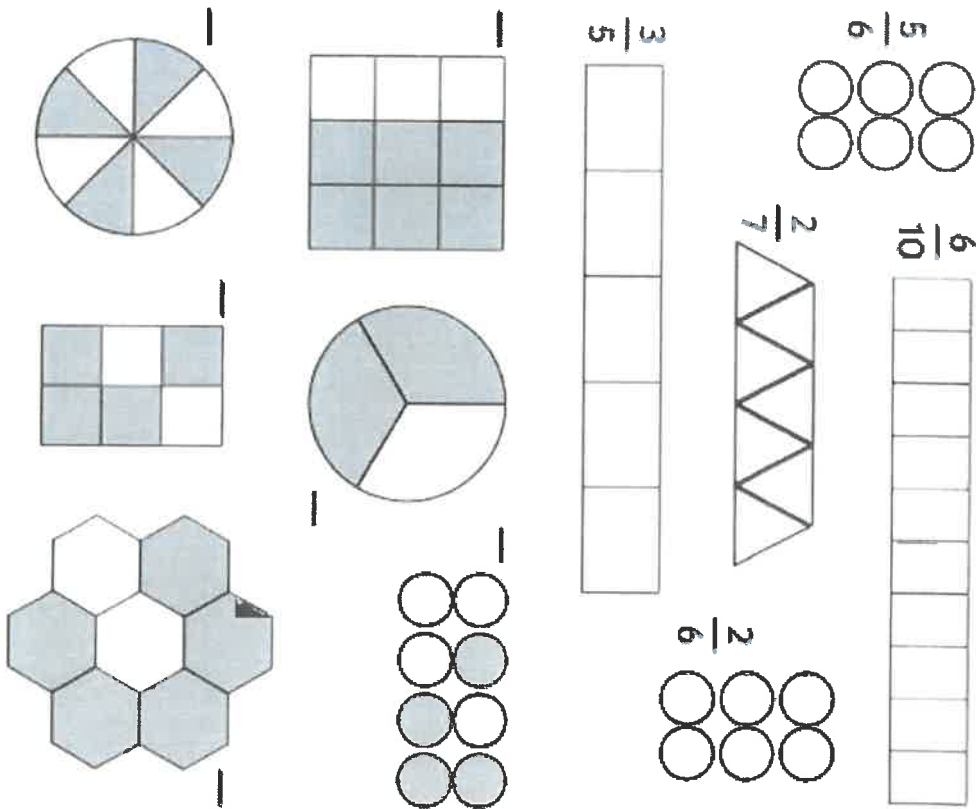
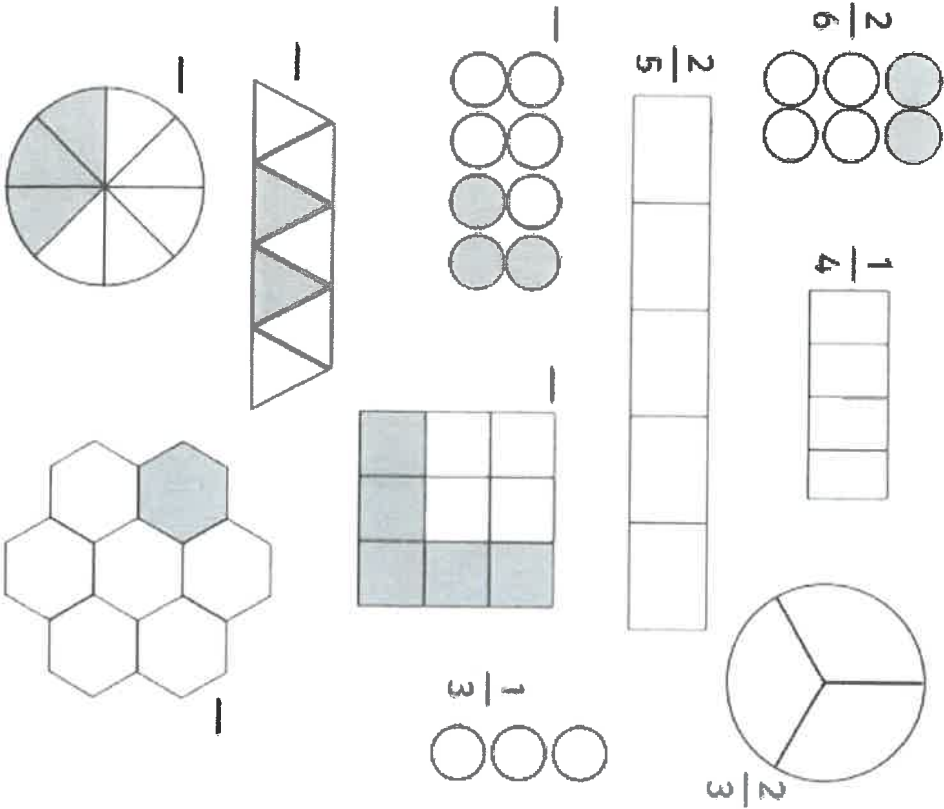
7. Najim has eaten $1/5$ of the chocolate bars.	
8. Steve has eaten $2/3$ of the crisps.	
9. Lynda has eaten $1/2$ of the chips.	
10. Desmond has eaten $3/4$ of the cake.	

Colour the windows to match the fractions




 <p> $\frac{2}{5}$: red $\frac{1}{5}$: green $\frac{2}{5}$: blue </p>	 <p> $\frac{1}{2}$: red $\frac{1}{2}$: blue $\frac{1}{2}$: yellow </p>
 <p> $\frac{1}{3}$: green $\frac{2}{3}$: yellow $\frac{1}{3}$: blue </p>	 <p> $\frac{2}{3}$: blue $\frac{1}{3}$: yellow </p>
 <p> $\frac{3}{10}$: blue $\frac{3}{10}$: yellow $\frac{4}{10}$: red $\frac{1}{10}$: green </p>	 <p> $\frac{2}{3}$: green $\frac{1}{3}$: red </p>




 <p> $\frac{1}{5}$: green $\frac{4}{5}$: blue </p>	 <p> $\frac{1}{6}$: green $\frac{2}{6}$: yellow $\frac{3}{6}$: 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 $\frac{1}{8}$: red $\frac{1}{8}$: yellow $\frac{3}{8}$: 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>




Colour and label correctly.



Fraction problems

<p>1. Billy ate $\frac{3}{8}$ of a pizza and Bob ate $\frac{4}{8}$ of a pizza. Who ate the most?</p> 	<p>2. Philomena had $\frac{1}{2}$ of her chocolate bar remaining and Daphne had $\frac{1}{4}$. Who had most left?</p> 	<p>3. What comes next? One tenth, two tenths, ...</p> 

<p>4. A running track is $\frac{1}{4}$ of a km long. How far would a runner go if he ran round the track 4 times?</p> 	<p>5. Hamza chopped up a pineapple and gave $\frac{1}{2}$ to his mum. He also ate half himself. How much was left to give to his dad?</p> 	<p>6. Miriam's dad offered a choice for her pocket money - have $\frac{2}{5}$ of £5 or $\frac{1}{2}$ of £5. Which should she choose?</p> 

<p>7. Terry wanted to buy a football shirt in the sale. One shop was offering $\frac{2}{3}$ off the price, another shop was offering $\frac{1}{2}$ price. Which is the better deal?</p> 	<p>8. Danyal used $\frac{4}{7}$ of the milk for his cereal. What fraction was left for his brother?</p> 	<p>9. Peter ate $\frac{1}{2}$ of his bar of chocolate, Damian ate $\frac{2}{4}$ of his bar of chocolate and Polly ate $\frac{3}{8}$ of her bar of chocolate. Who had the most remaining?</p> 

Adding – no exchanging

$\begin{array}{r} 273 \\ +514 \\ \hline \end{array}$	$\begin{array}{r} 451 \\ +225 \\ \hline \end{array}$	$\begin{array}{r} 304 \\ +463 \\ \hline \end{array}$	$\begin{array}{r} 615 \\ +172 \\ \hline \end{array}$
$\begin{array}{r} 153 \\ +716 \\ \hline \end{array}$	$\begin{array}{r} 805 \\ +102 \\ \hline \end{array}$	$\begin{array}{r} 572 \\ +213 \\ \hline \end{array}$	$\begin{array}{r} 531 \\ +267 \\ \hline \end{array}$
$\begin{array}{r} 202 \\ +236 \\ \hline \end{array}$	$\begin{array}{r} 370 \\ +116 \\ \hline \end{array}$	$\begin{array}{r} 622 \\ +375 \\ \hline \end{array}$	$\begin{array}{r} 312 \\ +251 \\ \hline \end{array}$
$\begin{array}{r} 476 \\ +403 \\ \hline \end{array}$	$\begin{array}{r} 155 \\ +234 \\ \hline \end{array}$	$\begin{array}{r} 371 \\ +628 \\ \hline \end{array}$	

Challenge: Complete the following calculations:

$\begin{array}{r} +3\ \underline{2} \\ \underline{\quad 3} \\ 437 \end{array}$	$\begin{array}{r} +641 \\ \underline{\quad 4} \\ 9\ \underline{6} \end{array}$	$\begin{array}{r} +4\ \underline{5} \\ \underline{\quad 22} \\ 74\ \underline{\quad} \end{array}$
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$\begin{array}{r} 323 \\ +142 \\ \hline \end{array}$	$\begin{array}{r} 426 \\ +301 \\ \hline \end{array}$	$\begin{array}{r} 230 \\ +259 \\ \hline \end{array}$	$\begin{array}{r} 181 \\ +217 \\ \hline \end{array}$
$\begin{array}{r} 447 \\ +432 \\ \hline \end{array}$	$\begin{array}{r} 516 \\ +243 \\ \hline \end{array}$	$\begin{array}{r} 671 \\ +215 \\ \hline \end{array}$	$\begin{array}{r} 706 \\ +263 \\ \hline \end{array}$
$\begin{array}{r} 225 \\ +411 \\ \hline \end{array}$	$\begin{array}{r} 304 \\ +124 \\ \hline \end{array}$	$\begin{array}{r} 723 \\ +234 \\ \hline \end{array}$	$\begin{array}{r} 252 \\ +410 \\ \hline \end{array}$
$\begin{array}{r} 332 \\ +207 \\ \hline \end{array}$	$\begin{array}{r} 640 \\ +338 \\ \hline \end{array}$	$\begin{array}{r} 293 \\ +304 \\ \hline \end{array}$	$\begin{array}{r} 126 \\ +822 \\ \hline \end{array}$

Challenge: Complete the following calculations:

$\begin{array}{r} 52\ \underline{\quad} \\ +\ \underline{67} \\ 8\ \underline{7} \end{array}$	$\begin{array}{r} \ \underline{53} \\ +3\ \underline{5} \\ 59\ \underline{\quad} \end{array}$	$\begin{array}{r} 20\ \underline{\quad} \\ +3\ \underline{2} \\ \underline{\quad 67} \end{array}$	$\begin{array}{r} \ \underline{83} \\ +41\ \underline{\quad} \\ 7\ \underline{9} \end{array}$
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Adding – exchanging

1.	1	0	9	2.	4	5	5	3.	1	7	0	4.	5	5	4
+	1	3	9	+	2	8	1	+	2	4	9	+	2	0	9
5.	1	9	6	6.	6	2	8	7.	6	7	7	8.	5	2	4
+	7	0	6	+	3	1	9	+	1	6	0	+	2	0	8
9.	1	9	9	10.	1	5	8	11.	3	8	5	12.	6	6	5
+	3	9	1	+	4	6	6	+	1	3	7	+	1	0	7
13.	1	0	9	14.	2	3	7	15.	2	9	0	16.	8	6	2
+	4	9	8	+	6	8		+	2	7	6	+	6	6	7

Create your own addition word problem.

Recap on subtracting – no exchanging

<p>13. $\begin{array}{r} 555 \\ - 345 \\ \hline \end{array}$</p>	<p>14. $\begin{array}{r} 596 \\ - 374 \\ \hline \end{array}$</p>	<p>15. $\begin{array}{r} 368 \\ - 220 \\ \hline \end{array}$</p>
<p>10. $\begin{array}{r} 687 \\ - 471 \\ \hline \end{array}$</p>	<p>11. $\begin{array}{r} 988 \\ - 575 \\ \hline \end{array}$</p>	<p>12. $\begin{array}{r} 768 \\ - 251 \\ \hline \end{array}$</p>
<p>7. $\begin{array}{r} 832 \\ - 232 \\ \hline \end{array}$</p>	<p>8. $\begin{array}{r} 599 \\ - 467 \\ \hline \end{array}$</p>	<p>9. $\begin{array}{r} 298 \\ - 136 \\ \hline \end{array}$</p>
<p>4. $\begin{array}{r} 652 \\ - 420 \\ \hline \end{array}$</p>	<p>5. $\begin{array}{r} 628 \\ - 305 \\ \hline \end{array}$</p>	<p>6. $\begin{array}{r} 573 \\ - 512 \\ \hline \end{array}$</p>
<p>1. $\begin{array}{r} 569 \\ - 315 \\ \hline \end{array}$</p>	<p>2. $\begin{array}{r} 346 \\ - 125 \\ \hline \end{array}$</p>	<p>3. $\begin{array}{r} 774 \\ - 453 \\ \hline \end{array}$</p>



1. A shop has 76 pairs of socks. 33 pairs are white sport socks. How many other pairs are there?

2. There are 189 children in a school. 114 are in Key Stage 2, the rest are in the Foundation Stage and Key Stage 1. How many children are in the Foundation Stage and Key Stage 1 altogether?

Create your own subtraction problem.

Challenge: Complete the following calculations:

$\begin{array}{r} 73 \\ - 47 \\ \hline \end{array}$	$\begin{array}{r} 70 \\ - 29 \\ \hline \end{array}$	$\begin{array}{r} 01 \\ - 48 \\ \hline \end{array}$
$\begin{array}{r} 451 \\ - 218 \\ \hline \end{array}$	$\begin{array}{r} 840 \\ - 525 \\ \hline \end{array}$	$\begin{array}{r} 472 \\ - 238 \\ \hline \end{array}$
$\begin{array}{r} 690 \\ - 526 \\ \hline \end{array}$	$\begin{array}{r} 726 \\ - 419 \\ \hline \end{array}$	$\begin{array}{r} 427 \\ - 233 \\ \hline \end{array}$
$\begin{array}{r} 353 \\ - 136 \\ \hline \end{array}$	$\begin{array}{r} 627 \\ - 258 \\ \hline \end{array}$	$\begin{array}{r} 622 \\ - 394 \\ \hline \end{array}$
		$\begin{array}{r} 951 \\ - 652 \\ \hline \end{array}$
		$\begin{array}{r} 519 \\ - 450 \\ \hline \end{array}$
		$\begin{array}{r} 481 \\ - 323 \\ \hline \end{array}$

There are 115 pencils in the cupboard. 82 are given out to the children.
How many are left in the cupboard?



Edward buys a drink for 82p. He pays with a £1 coin. What change does he receive?

A flower market has 132 tulips. A florist buys 80 tulips. How many are left?

A sweet shop has 127 boiled sweets in a jar. One jar containing 64 sweets is sold.
How many are left?



A farmer has 184 cows. He takes 97 to a new field. How many are left behind?