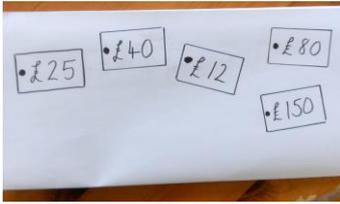


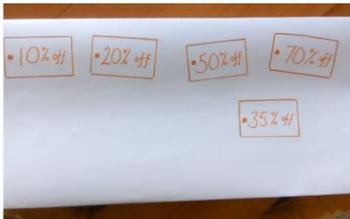
Tuesday Maths – Home Discount Store!

Following on from last week's work on calculating percentages, create a discount store in your home!

1. Create 5 labels out of paper and put a different price on each one. Here is an example:



2. Create another 5 labels out of paper (maybe you could do them in a different colour) and write a “_% off” on each one. Here is an example:



3. Cut the labels out and mix them up a bit. Like this:



4. Ask someone in your family to attach one of each label to a different object in the house. You should end up with 5 objects with 2 different labels on. Like this:



5. Now, using your skills of calculating percentages (don't forget the percentage web!) find the right percentage of each price and **subtract** it from the original price. Now you have worked out the new Home Discount Store price!

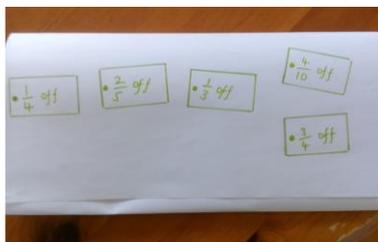
Key information

- To find 10%, divide by ten.
- To find 5%, divide by ten and then halve.
- To find 1%, divide by 100.
- Use the webs like last week to help you build up other percentages such as 35% etc.

Wednesday Maths – Home Discount Store!

Today we are going to do something similar to yesterday (you might want to think of five new original prices) but this time the Home Discount Store reductions will be fractions and not percentages.

1. Create five price labels just like yesterday.
2. Create another five labels (maybe you could do them in a different colour) and write a “fraction off” on each one. Here is an example:



3. Cut the labels out and mix them up a bit.
4. Ask someone in your family to attach one of each label to a different object in the house. You should end up with 5 objects with 2 different labels on. Like this:



5. Now using your skills of finding fractions of amounts, find the right fraction of each price and **subtract** it from the original price. Now you have worked out the new Home Discount Store price!

Key information

To find a fraction of an amount, you divide the amount by the denominator of the fraction and then multiply by the numerator of the fraction.

Example

A photograph of a piece of paper with handwritten calculations. It shows the problem: $\frac{2}{5}$ off £35. The steps are: $35 \div 5 = 7$, $2 \times 7 = 14$, and $50 \times \frac{2}{5}$ of 35 = 14. Then it shows a subtraction: $\begin{array}{r} \pounds 35 \\ - \pounds 14 \\ \hline \pounds 21 \end{array}$ and a cloud-shaped box containing $\frac{2}{5}$ off £35 = £21.

Or using a pictorial method...

A photograph of a piece of paper showing a pictorial method. At the top, it says $35 \div 5$. Below that is a horizontal bar divided into five equal sections, each containing the number 7. Below the bar, there is a subtraction: $\begin{array}{r} 7 \quad 14 \\ \hline \end{array}$. At the bottom, it says $\frac{2}{5}$ of 35 = 14.

Thursday Maths – Area and Perimeter Challenge

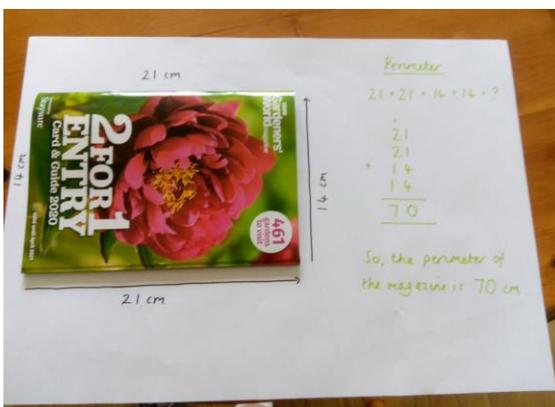
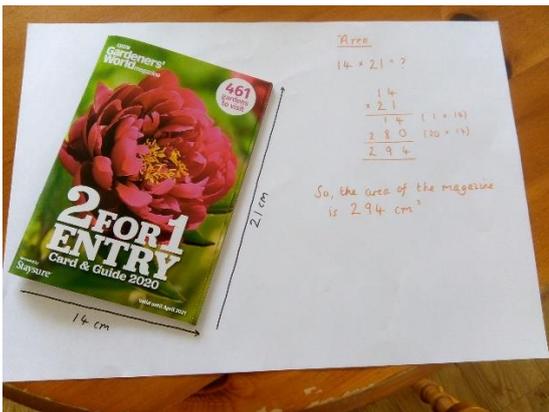
1. Using a ruler, measure the length and width of five rectangles in your house. They could be: a piece of paper, a place mat, a magazine, a book cover, a small table etc.
2. Find the area of the rectangle, by **multiplying** the length by the width.
3. Find the perimeter of the rectangle, by **adding** the two lengths to the two widths.
4. Record in your books.

Key information

Area = length x width (recorded in cm^2)

Perimeter = length + length + width + width (recorded in cm)

Examples



You could challenge yourself by finding larger rectangles to measure.

Also, can you find a rectangle which has the same area as perimeter?

Friday Maths – Converting Miles to Kilometres

You may have noticed in your folks' car, that on the dashboard is a speedometer which records in miles and kilometres. That's because speed and distance can be measured in both miles and kilometres.



To convert between the two units of measurement, you use the following ratio:

There are 5 miles to every 8 kilometres.

Copy and complete the following table into your books. Go up to 100 miles.

Miles	Kilometres
	4
5	8
10	16
15	
	32
25	40
30	

Now have a go at the following questions in your books using the conversion table:

1. It is 80 miles from the city of York to Newcastle. What is this in km?
2. It is 100 miles from Birmingham to Cardiff. What is this in km?

16km = miles

4 km = miles

80Km = miles

3.