

Monday 18th January: Homework!

- 1) Find $\frac{3}{4}$ of £720
- 2) What is 2 345 190 rounded to the nearest ten thousand?
- 3) You buy a soup for £2.95 and a cup of coffee for 65p. How much change do you get from £5?
- 4) Find 10% of £450
- 5) Divide £13 500 by 10
- 6) What is $15.2 + 0.5 + 3.75 + 9.125$?
- 7) Fred was born in 1932. How old is he now?
- 8) How many centimetres are there in 4.75 metres?
- 9) How many 15ml doses of calpol can you obtain from a 2.4 litre bottle, assuming no waste?
- 10) The population of Haiti was 9,780,064 (June 2009). Round this to the nearest hundred thousand.
[<http://www.dec.org.uk/>]
- 11) How many grammes are there in 3.7 Kilogrammes?
- 12) A house plan is scaled at 2cm:1m. A room measures 9cm wide on the plan. How wide is the room?
- 13) Fred earns £7.50 per hour. He works 14 hours in the first week, 23 hours in the second week, 17 hours in the third week and 29 hours in the fourth week. How much has Fred earned in the four week pay period?
- 14) Algernon has worked out $15 \div 5 + 24 \div 3$ as 9. What is the answer according to the usual convention?
- 15) Naomi has donated £20 to a charity. She has filled out the gift aid form that means the charity can claim an extra 25% of the money from the government. How much is Naomi's donation worth to the charity?
- 16) What is 30% written as a fraction?
- 17) It was -4°C last Monday at 6am. It was $+3^{\circ}\text{C}$ at 6am today. How much warmer is Birmingham this week?
- 18) Temperatures in major towns in the UK:

Penryn	$+9^{\circ}\text{C}$
Braemar	-2°C
Greenock	$+7^{\circ}\text{C}$
Hull	-1°C
Perth	0°C

 - a) How much warmer is Penryn compared to Hull?
 - b) How much warmer is Grenock than Braemar?
 - c) What is the average (mean) temperature of these 5 cities?
- 19) Find $\frac{2}{5} + \frac{7}{15}$
- 20) Find 23% of £250 using a simple method
- 21) Find 17.5% VAT on £350 using a simple method
- 22) What percentage is the same as $\frac{7}{10}$?
- 23) What fraction is the same as 45%?

Answers (with methods) available at

<http://mrmaths.wordpress.com>

by Wednesday so you can mark your work.

Also some last minute revision links to BBC Skillswise and other sites.