

SHQ: How can I solve a maths problem using appropriate written and mental methods?

Use these daily 'quick maths' warm ups to get your maths brain ready. Calculations of a similar type have appeared on previous weeks' 'quick maths' sheets so if you need a quick reminder of how to tackle any of the problems, check back on the earlier sheets.

Below is a quick reminder of how to calculate what % one quantity is of another

Eg

4 children out of 50 achieved full marks on the maths test. What percentage of the class achieved full marks?

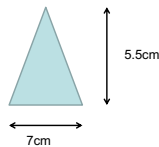
This question is asking you what % is 4 of 50?

To calculate, you make the data into a fraction (the number of children who attained full marks is the numerator and the total number of children is the denominator) and multiply by 100:


$$4/50 \times 100 = 8\%$$

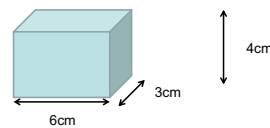
Monday

1. $2x + 4 = 14$ What is X
2. $2\frac{5}{8} + 1\frac{2}{3}$
3. 31% of 72
4. What is the area of this triangle:




Tuesday

1. If $\frac{3}{4}$ of X = 15, what is X
2.  = 4.6×3.9
3. what is 9 as a % of 20
4. Volume of this cuboid:




Wednesday

1. What is $\frac{5}{8}$ as a decimal?
2.  = $281 \div 5$
3. $2\frac{5}{8} \times \frac{3}{4}$
4. $3x + 3 = 48$ What is X

Thursday

1. 34% of 75
2. $\frac{7}{8} \div 7$
3. $\frac{2}{3}$ of X = 64. What is X?
4. $5\frac{2}{3} - \frac{4}{5}$

Friday

1. 42% of 54
2. $\frac{2}{3}$ of X = 60 What is X?
3.  = $4\frac{3}{4} + \frac{7}{8}$
4. What is the area of this triangle:

