

To find fractions of quantities

Steps to Success:

- 1) I can divide by 2 or 10 ($\div 2$, $\div 10$)
- 2) I know the link between division and fractions
- 3) I can find the fraction of an amount where the numerator is more than 1.

Mental:

Do these in your head:

$$24 \div 2$$

$$20 \div 2$$

$$30 \div 10$$

$$16 \div 4$$

$$50 \div 10$$

$$25 \div 5$$

$$120 \div 10$$

$$12 \div 2$$

Step to Success 2: I know the link
between \div and fractions:

$\frac{1}{4}$ is like saying $\div 4$

So... $\frac{1}{4}$ of 20 is the same as $20 \div 4 = 5$

$\frac{1}{2}$ is like saying $\div 2$

So... $\frac{1}{2}$ of 8 is the same as $8 \div 2 = 4$

$\frac{1}{6}$ is like saying $\div 6$

So... $\frac{1}{6}$ of 18 is the same as $18 \div 6 = 3$

Step to success 3: I can find the fraction of an amount where the numerator is more than 1.

Finding $\frac{3}{4}$ of something is like saying
 $\div 4$, then $\times 3$.

So $\frac{3}{4}$ of 12...

$$12 \div 4 = 3, \text{ then } \times 3 = 9$$

Always \div by the denominator first, then \times by the numerator

Can you work out $\frac{4}{5}$ of 20?

Remember $\div 5$ first, then \times answer by 4