

Stage 6

Proportional

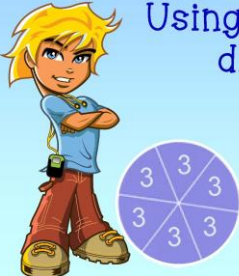
Stage 6

Proportional Strategies

Using multiplication & division facts

$\frac{1}{6}$ of 18 = \square

Rewrite as a division fact; $18 \div 6 = \square$
It can also be reversed and written as a multiplication fact; $6 \times \square = 18$
From my multiplication facts I know that $6 \times 3 = 18$
so $\frac{1}{6}$ of 18 = 3



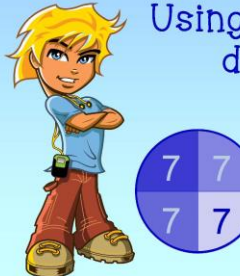
Stage 6

Proportional Strategies

Using multiplication & division facts

$\frac{3}{4}$ of 28 = \square

First I find $\frac{1}{4}$ of 28; $28 \div 4 = \square$
 $4 \times 7 = 28$, so $\frac{1}{4}$ of 28 = 7
Because 7 is just $\frac{1}{4}$, I will need to multiply the answer by 3 to find $\frac{3}{4}$.
 $7 \times 3 = 21$; so $\frac{3}{4}$ of 28 = 21



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Proportional Strategies

Using multiplication & division facts

$\frac{2}{5}$ of \square = 12

To solve this question you will need to use 'backtracking' to find the original amount.

Original amount \square $\xrightarrow{\div 5 (\frac{1}{5})}$ 6 $\xrightarrow{\times 2 (\frac{2}{5})}$ 12 Answer

$12 \div 2 = 6$, $6 \times 5 = 30$; So the original amount was 30

