Fractions of an amount video: https://whiterosemaths.com/homelearning/year-6/

Use Summer Term - Week 4 (w/c 11th May)



С





Answers



A cook has 48 kg of potatoes. He uses $\frac{5}{8}$ of the potatoes. How many kilograms of the potatoes does he have left?

Use the bar model to find the answer to this question.



We need to find one part, so we divide the whole amount by 8 (the denominator)

 $48 \div 8 = 6$, so each part is worth 6.

The cook uses 5 parts - the numerator tells us this. $5 \times 6 = 30$. He has used 30 kg.

To find out how much is left, you can either subtract 30 from 48, or count the amount left on the bar model.

The answer is 18kg.

A football team has 300 tickets to give away. They give $\frac{3}{4}$ of them to a local school. How many tickets are left?



To find one part (quarter), divide the whole amount by the denominator - 4. $300 \div 4 = 75$ If $\frac{3}{4}$ were given away, then we know $\frac{1}{4}$ was left. We already know $\frac{1}{4} = 75$

B Calculate:

$$\frac{1}{5}$$
 of $30 = 6$ $\frac{1}{5}$ of $60 = 12$ $\frac{1}{5}$ of $120 = 24$ $\frac{1}{5}$ of $240 = 48$
 $\frac{2}{5}$ of $30 = 12$ $\frac{1}{5}$ of $600 = 30$ $\frac{1}{10}$ of $120 = 12$ $\frac{6}{5}$ of $240 = 288$
 $\frac{4}{5}$ of $30 = 24$ $\frac{1}{5}$ of $6,000 = 1200\frac{1}{20}$ of $120 = 6$ $\frac{11}{5}$ of $240 = 528$

