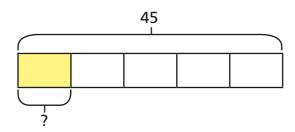
Fractions of an amount



- Annie and Mo are finding fractions of amounts.
 - a) Annie is trying to find $\frac{1}{5}$ of 45

She draws this bar model.

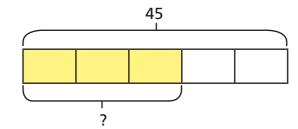


How does the bar model represent the calculation?

What is $\frac{1}{5}$ of 45?



b) Mo is trying to find $\frac{3}{5}$ of 45



How does the bar model represent the calculation?

What is
$$\frac{3}{5}$$
 of 45?

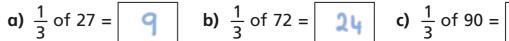


27

c) What is the same and what is different about Mo and Annie's questions?



Complete the calculations.



b)
$$\frac{1}{3}$$
 of 72 =

c)
$$\frac{1}{3}$$

$$\frac{2}{3}$$
 of 27 = | |8

$$\frac{1}{6}$$
 of 72 =

$$\frac{2}{3}$$
 of 27 = $\frac{1}{6}$ of 72 = $\frac{2}{6}$ of 90 = $\frac{30}{6}$

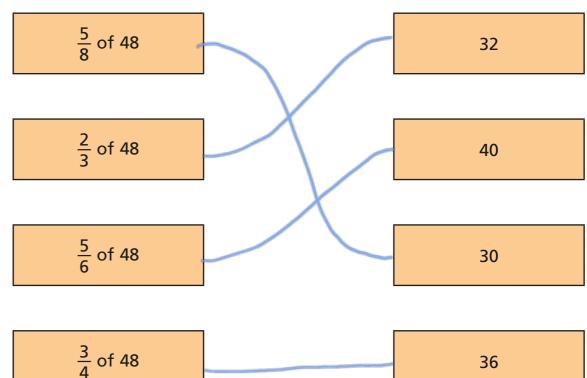
$$\frac{3}{3}$$
 of 27 = $\boxed{27}$

$$\frac{1}{12}$$
 of 72 =

$$\frac{3}{3}$$
 of 27 = $\boxed{27}$ $\frac{1}{12}$ of 72 = $\boxed{6}$ $\frac{3}{9}$ of 90 = $\boxed{30}$

What patterns do you notice?





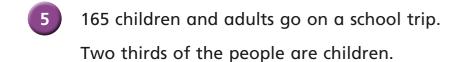








- a) $\frac{5}{7}$ of 56 $\frac{5}{8}$ of 56 c) $\frac{2}{3}$ of 63 $\frac{5}{8}$ of 64 b) $\frac{4}{7}$ of 56 $\frac{5}{8}$ of 56 d) $\frac{7}{10}$ of 350 $\frac{5}{7}$ of 350



a) How many adults are on the school trip?

55

b) $\frac{3}{5}$ of the children are boys.

How many boys are on the school trip?

66

c) $\frac{7}{10}$ of the children have an apple for lunch. How many children do **not** have an apple for lunch? Tick the odd one out.

 $\frac{3}{4}$ of 80

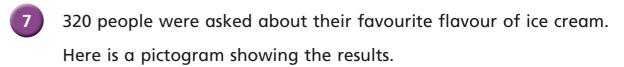
 $\frac{3}{8}$ of 160

 $\frac{2}{3}$ of 90

 $\frac{3}{4}$ of 100

Explain your choice.

Various answers.





vanilla	99999
strawberry	99999
chocolate	999
mint choc chip	999999

a) How many people chose mint choc chip?

112

b) How many more people chose vanilla than chocolate?

32

