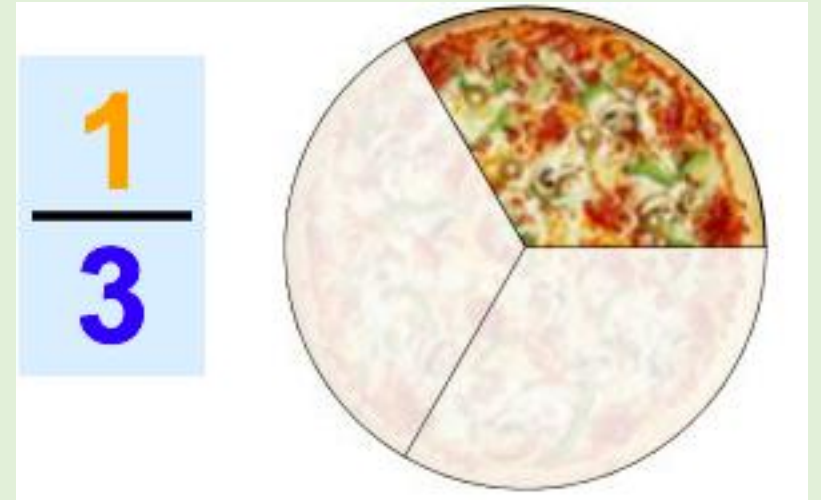


Fractions

A fraction
represents part
of a whole



How many parts of a whole:

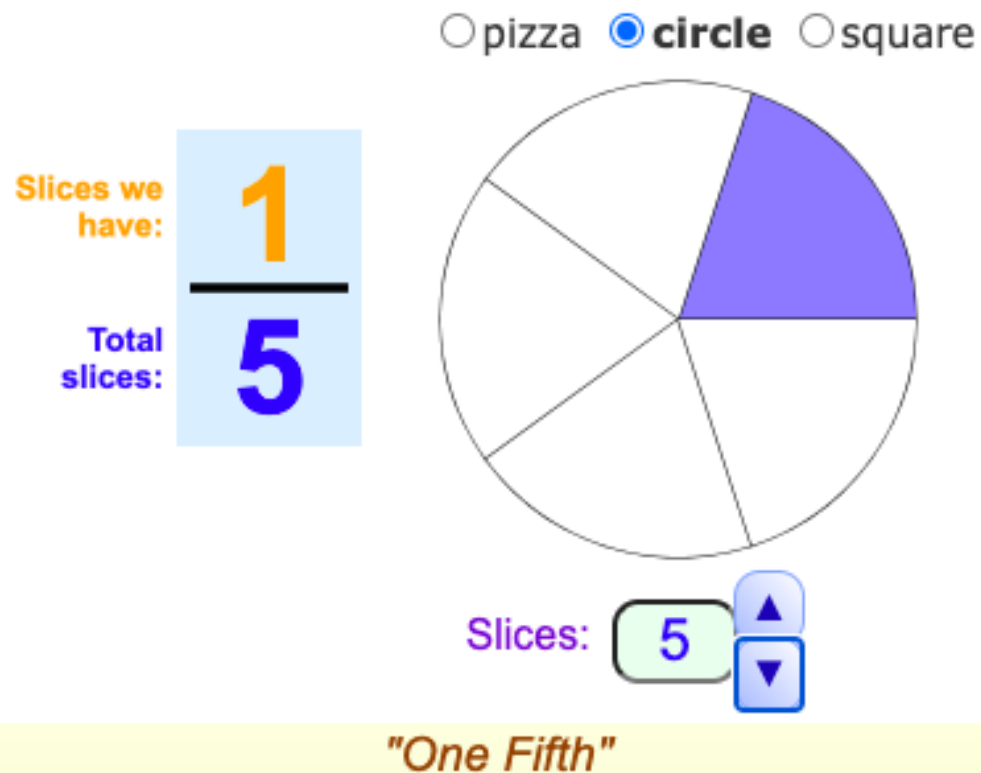
- the top number (the numerator) says how many parts we have.



$$\frac{3}{4}$$

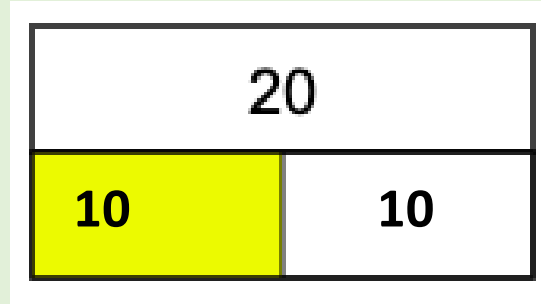
← Numerator
← Denominator

- the bottom number (the denominator) says how many equal parts the whole is divided into



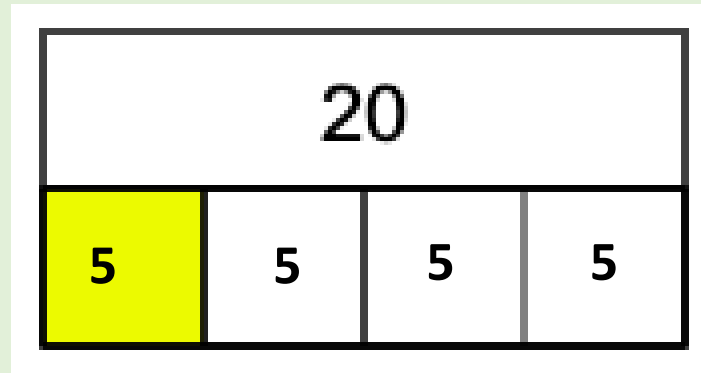
Finding fractions of amounts

$\frac{1}{2}$ Of 20



$$20 \div 2 = 10$$

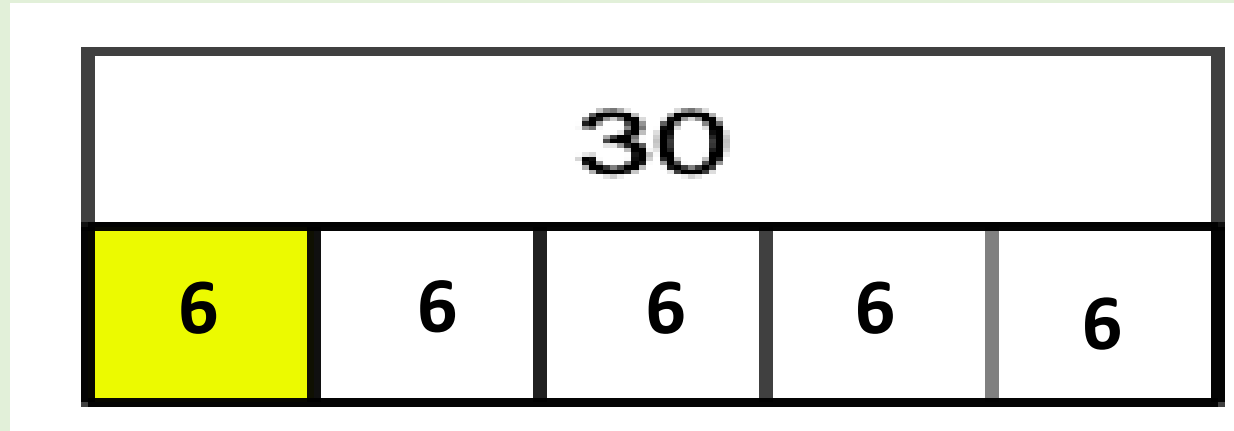
$\frac{1}{4}$ Of 20



$$20 \div 4 = 5$$

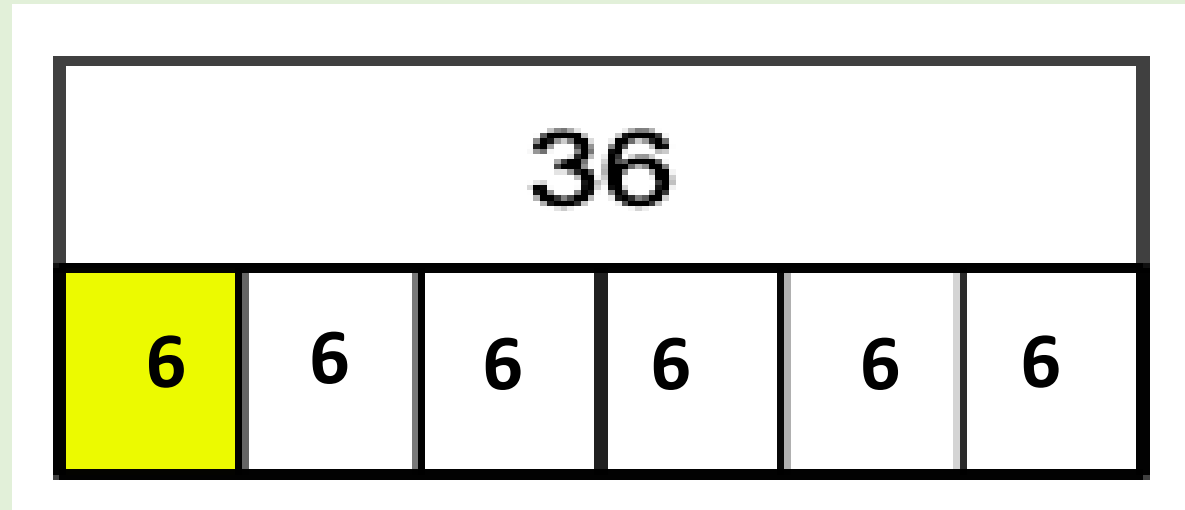
Finding fractions of amounts

$\frac{1}{5}$ Of 30



$$30 \div 5 = 6$$

$\frac{1}{6}$ Of 36



$$36 \div 6 = 6$$

Finding a fraction of a large number

$\frac{1}{3}$ Of 87



$87 \div 3 =$



87		
29	29	29

29
3 $\overline{)87}$

Finding a fraction of a large number

$\frac{1}{5}$ Of 255



$$255 \div 5 =$$



255				
51	51	51	51	51

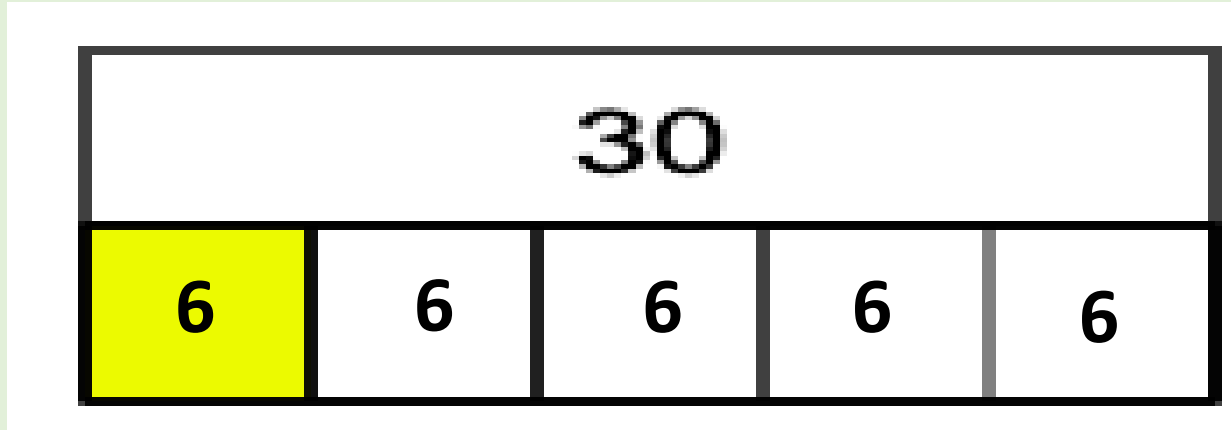


$$\begin{array}{r} 051 \\ 5 \overline{) 255} \end{array}$$

Part 2

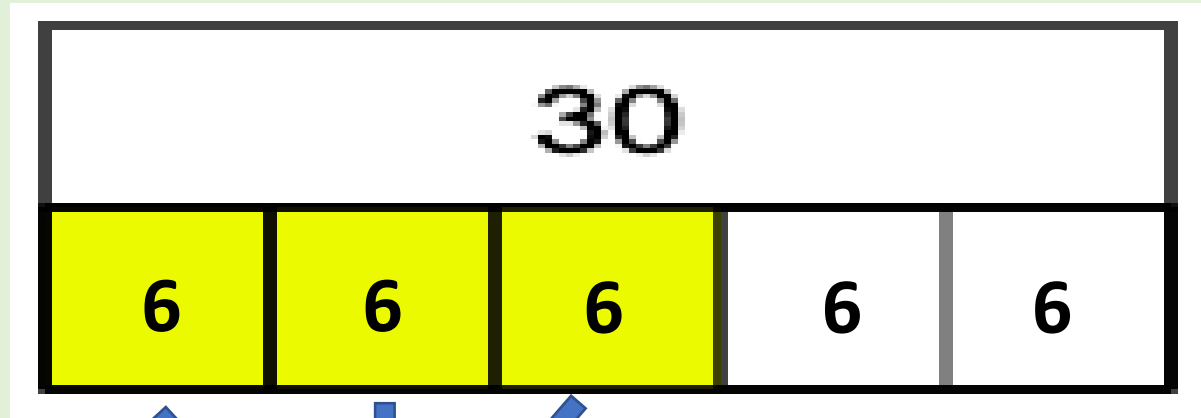
Finding fractions of amounts

$\frac{1}{5}$ Of 30



$$30 \div 5 = 6$$

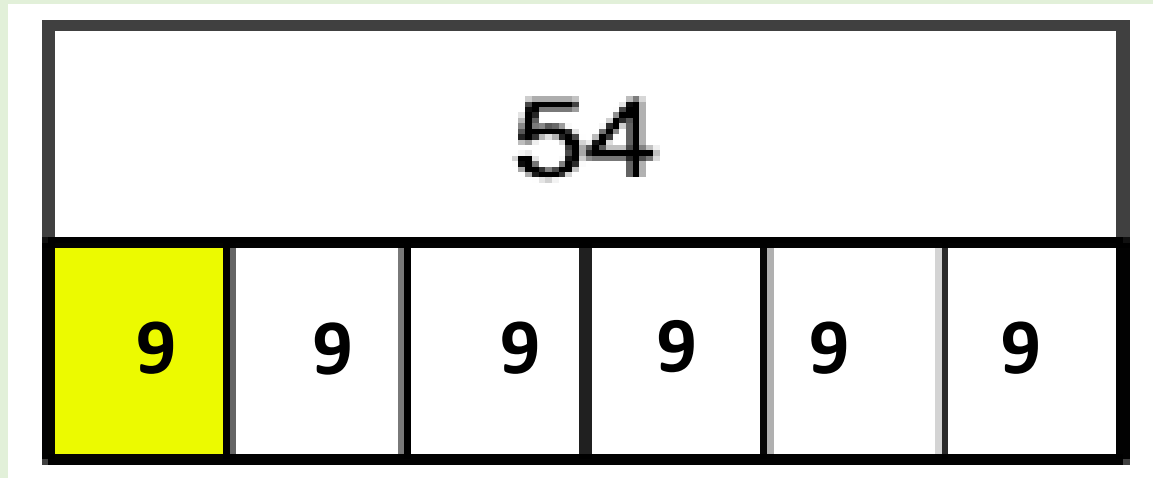
$\frac{3}{5}$ Of 30



$$3 \times 6 = 18$$

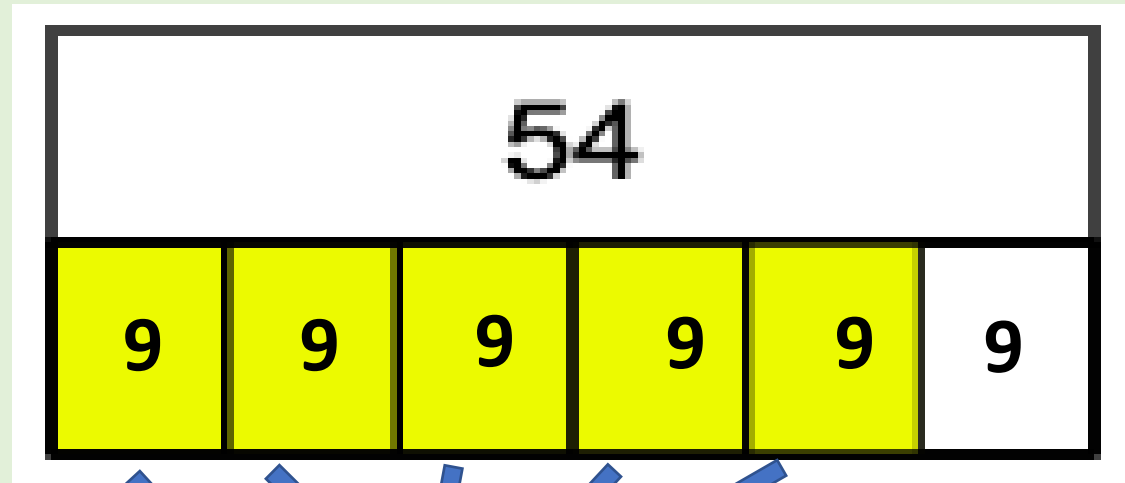
Finding fractions of amounts

$\frac{1}{6}$ Of 54



$$54 \div 6 = 9$$

$\frac{5}{6}$ Of 54




$$5 \times 9 = 45$$

To find multiple parts of a whole number we find one part by dividing by the denominator. Then we multiply by the numerator.

$$\frac{3}{5} \text{ Of } 35$$

To find $\frac{1}{5}$ you divide 35 by 5 (the denominator). $35 \div 5 = 7$

Now you know $\frac{1}{5}$ is 7. Multiply that by 3 (the numerator). $3 \times 7 = 21$

$$\frac{3}{5} \text{ Of } 35 = 21$$

There are 120 children in Key Stage 2.

$\frac{2}{5}$ of them are in Teilo, $5 \overline{) 120}$ $24 \times 2 = 48$

$\frac{1}{3}$ of them are in Clayton. $3 \overline{) 120}$ 40

$\frac{2}{10}$ of them are in Glynhir. $10 \overline{) 120}$ $12 \times 2 = 24$

Total = 112

How many children are in Dulais?

$$120 - 112 = 8$$