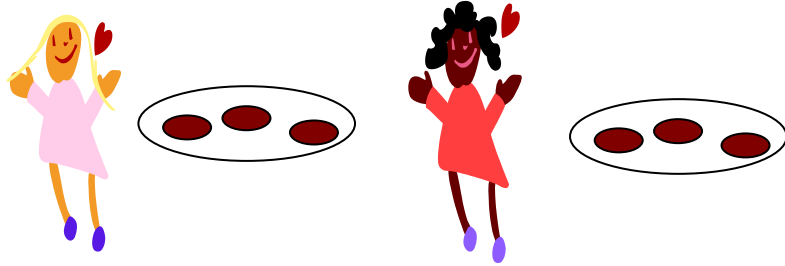
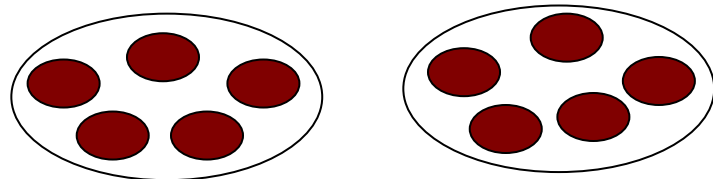


Division as sharing

6 cookies shared between 2 girls, 3 cookies each.
 6 shared into 2 groups = 3 in each group
 $6 \div 2 = 3$

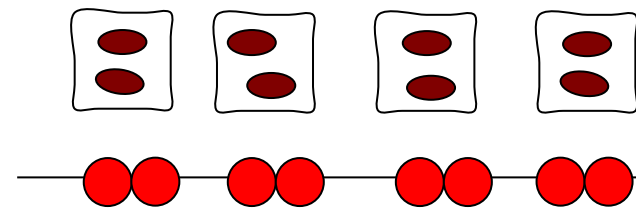


10 cookies shared between 2 plates, 5 cookies each.
 10 shared into 2 groups = 5 in each group
 $10 \div 2 = 5$



Division as grouping

8 cookies grouped in 2s = 4 groups.
 $8 \div 2 = 4$



If I have 12 socks - how many pairs do I have? i.e. How many groups of 2?

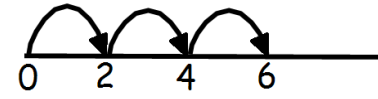
12 socks grouped in 2s = 6 pairs of socks (6 groups)
 $12 \div 2 = 6$



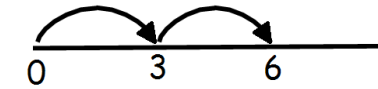
Using Number Lines

How many groups of 2 are there in 6? – there are 3

$2 + 2 + 2 = 6$
 $6 \div 2 = 3$
 6 divided into 2s is 3 groups

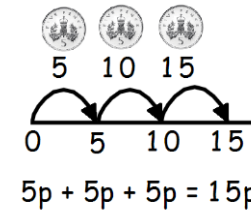


6 grouped into 3s is 2 groups
 $3 + 3 = 6$
 $6 \div 3 = 2$
 6 divided into 3s is 2 groups



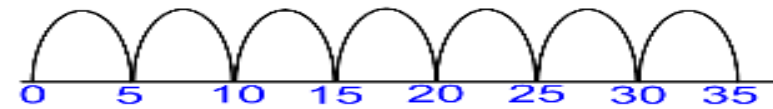
I have 15p how many 5p coins have I got?

$5p + 5p + 5p = 15p$
 $15p \div 5p = 3$

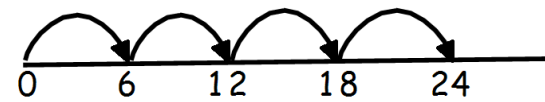


Lollipops cost 5p, how many could I buy for 35p

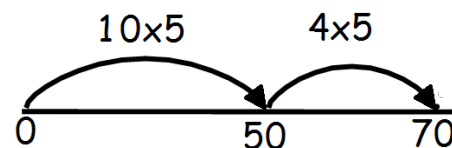
$35 \div 5 = 7$



$24 \div 6 = 4$



$70 \div 5 = 14$



Chunking

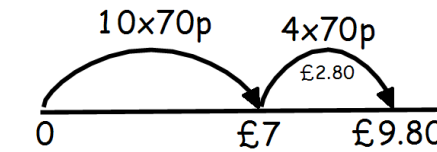
$70 \div 5 = 14$

$$\begin{array}{r} 70 \\ 10 \times 5 \equiv 50 \\ \underline{20} \\ 4 \times 5 \equiv 20 \\ \underline{0} \end{array}$$

start with total amount
 subtract a known multiple of 5
 subtract a known multiple of 5

Making sense of remainders

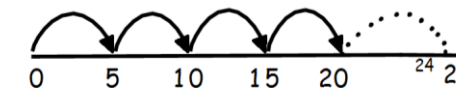
We have £10. Chocolate bars cost 70p each. How many bars can we buy?



We can buy 14 bars and we will get 20p change.

Using a number line to begin to express a quotient as a fraction

$24 \div 5 = 4 \frac{4}{5}$



I can make 4 jumps of 5. I can only jump 4 parts of the last jump of 5. So the answer is $4 \frac{4}{5}$.

Formal Division Method

$98 \div 7$ becomes

$$\begin{array}{r} 14 \\ 7 \overline{) 98} \\ \underline{7} \\ 28 \\ \underline{28} \\ 0 \end{array}$$

Answer: 14

$432 \div 5$ becomes

$$\begin{array}{r} 86 \text{ r}2 \\ 5 \overline{) 432} \\ \underline{40} \\ 32 \\ \underline{30} \\ 2 \end{array}$$

Answer: 86 remainder 2

$496 \div 11$ becomes

$$\begin{array}{r} 45 \text{ r}1 \\ 11 \overline{) 496} \\ \underline{44} \\ 56 \\ \underline{55} \\ 1 \end{array}$$

Answer: $45 \frac{1}{11}$