



Year 3 Maths - Multiplication and Division



Key Vocabulary

times tables

multiply by

divide by

array

fact families

regrouping

Equal groups

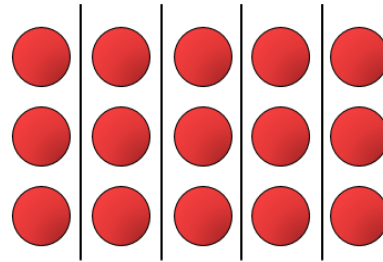


There are 3 plates.

There are 5 strawberries on each plate.

There are 3 equal groups of 5

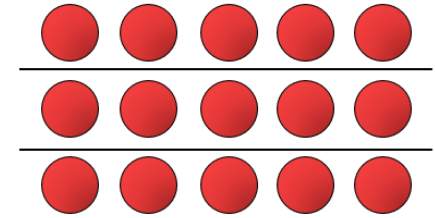
Arrays



There are 5 columns of 3

$$\underline{3} + \underline{3} + \underline{3} + \underline{3} + \underline{3} = \underline{15}$$

$$\underline{5} \times \underline{3} = \underline{15}$$



There are 3 rows of 5

$$\underline{5} + \underline{5} + \underline{5} = \underline{15}$$

$$\underline{3} \times \underline{5} = \underline{15}$$

Sharing and grouping

Sharing

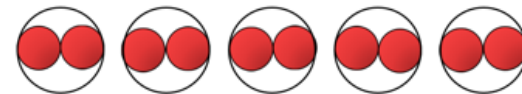


There are 5 counters in each group.
This means $10 \div 2 = 5$



Grouping

There are 5 groups of 2 in 10
This means $10 \div 2 = 5$



35 has been shared equally into 5 equal groups.

35				
7	7	7	7	7



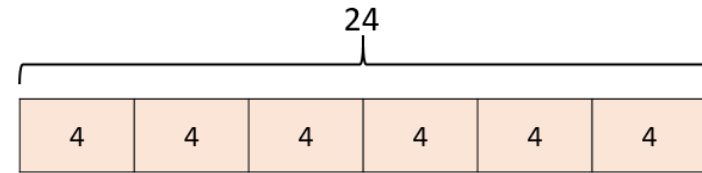
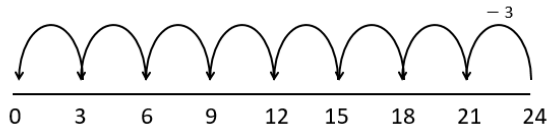
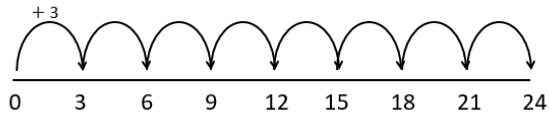
Year 3 Maths - Multiplication and Division



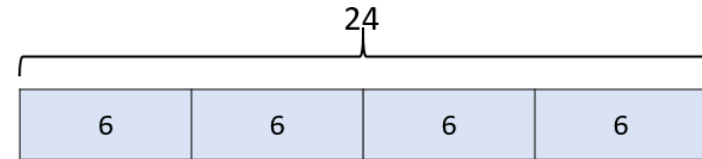
Division

The baker has 24 tarts.
He puts 3 tarts into each box.
How many boxes can he fill?

$$24 \div 3 = 8$$



24 has been divided into 6 equal groups of 4



24 has been divided into 4 equal groups of 6

Multiplication



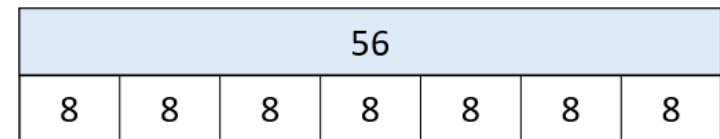
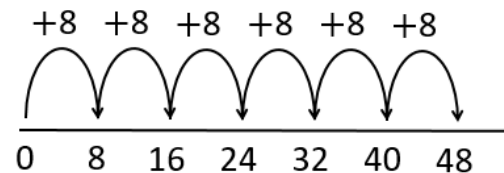
There are 3 equal groups with 8 in each group.

$$\boxed{8} + \boxed{8} + \boxed{8} = \boxed{24}$$

$$\boxed{3} \times \boxed{8} = \boxed{24}$$

$$\boxed{8} \times \boxed{3} = \boxed{24}$$

$$6 \times 8 = 48$$



$$7 \times 8 = 56$$