

Mathematics


# Multiplication and division

Mr Coward

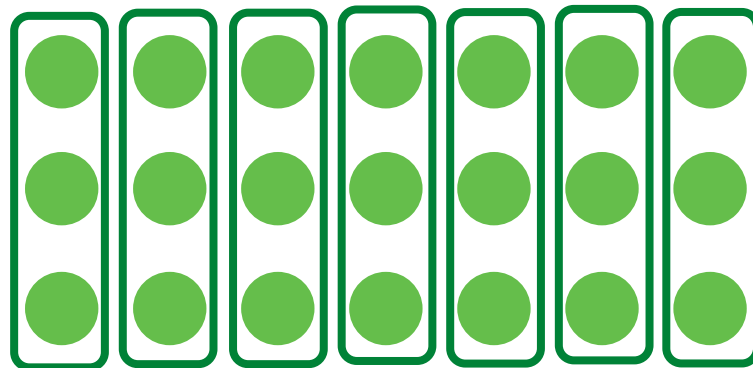


# Try this

Which array helps with each division and why?  
What does each calculation tell you?




I see 7 groups of 3

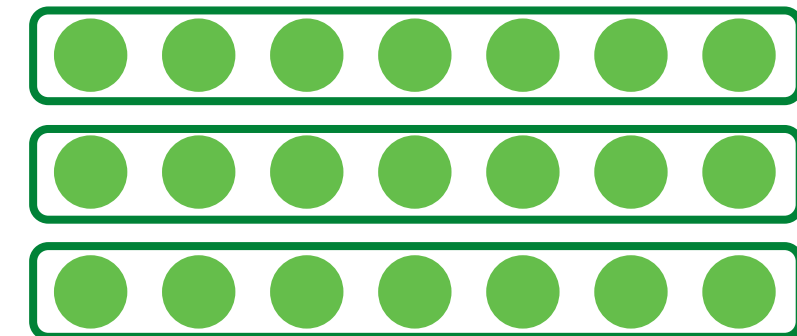


$$7 \times 3 = 21$$

$21 \div 3$   
21 children are put  
into 3 equal groups



I see a group of 7, 3 times



$21 \div 3$   
21 children are put  
into groups of 3




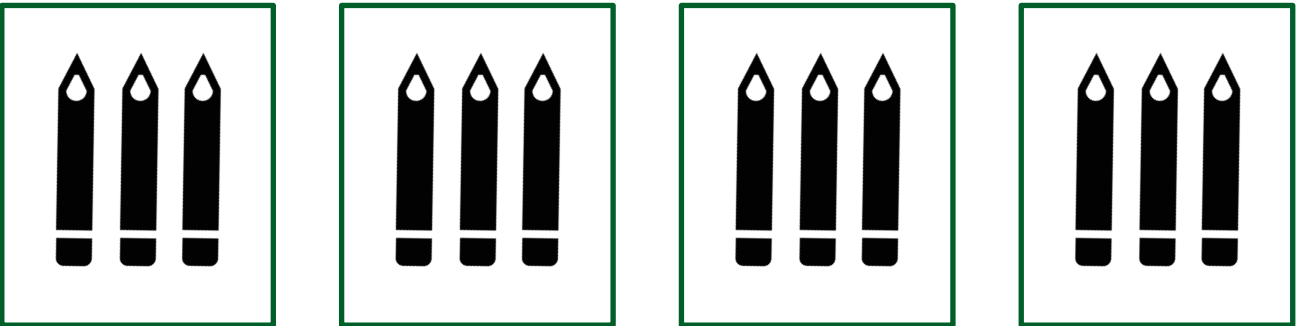
# Independent task

- 1) Explain how the two division problems link to the multiplication fact  $6 \times 4 = 24$ .
- a) 24 biscuits are shared amongst 4 people. How many biscuits does each person receive?
- b) 24 biscuits are shared, each person receives 4 biscuits. How many people are there?



# Independent task

2) Look at the following table and write a statement for each empty cell.

		
$3 \times 4$	Three packs of four pens is 12 pens in total	There are three pens per pack. There are four packs so 12 pens in total
$4 \times 3$	There are four pens per pack. There are three packs so 12 pens in total	a)
$12 \div 3$	There are 12 pens in three packets. Each packet contains 4 pens	b)
$12 \div 4$	c)	d)



# Explore

Explain why each the two problems below have the same solution.

Yasmin saves 12 pounds per week for 6 weeks. How much does she save in total?

Yasmin saves 6 pounds per week for 12 weeks. How much does she save in total?

Generate two similar pairs of different problems that have the same solution.

