

Solving word problems (4)

Solve word problems and reason mathematically



Challenge 1

Find the missing number in each calculation.

a $\bigcirc \div 4 = 5$

b $7 \times \triangle = 28$

c $16 = \square \times 4$

d $64 \div \square = 8$

e $5 \times \hexagon = 40$

f $\hexagon \div 4 = 12$

g $8 \times \hexagon = 24$

h $40 = 8 \times \square$

i $36 \div 4 = \triangle$

Challenge 2

Year 3 are having a bake sale to raise money for their favourite charity.

a 10 bags of popcorn cost £4. How much do 40 bags cost?

b There are 32 biscuits on each tray. There are 8 biscuits in each row. How many rows of biscuits?

c There are 24 chocolate cakes to sell. 8 children buy an equal number each. How many cakes do they buy?

d There are 7 large cakes for sale. Each cake can be split into 8 slices. How many slices are there altogether?

e 9 children buy 4 cupcakes each. How many cupcakes are there altogether?

f Cupcakes cost 40p each. Jana buys 5 and Rani buys 3. How much do they spend altogether on cakes?

g The cake stall made 4 times more money than the popcorn stall. If the cake stall made £48, how much did the popcorn stall make?

h Year 4 children spent £16 at the bake sale. They spent £12 less than Year 3 children. How much did Year 3 spend?

i Year 3 made £96. They paid £8 back to the office for supplies and the rest went to charity. How much did they give to their charity?

Challenge 3

Make up your own word problems for the calculations. Swap them with a friend to solve.

a $8 \times 4 =$

b $60 \times 4 =$

c $40 \times 4 =$

d $36 \div 4 =$

e $48 \div 8 =$

f $64 \div 8 =$

