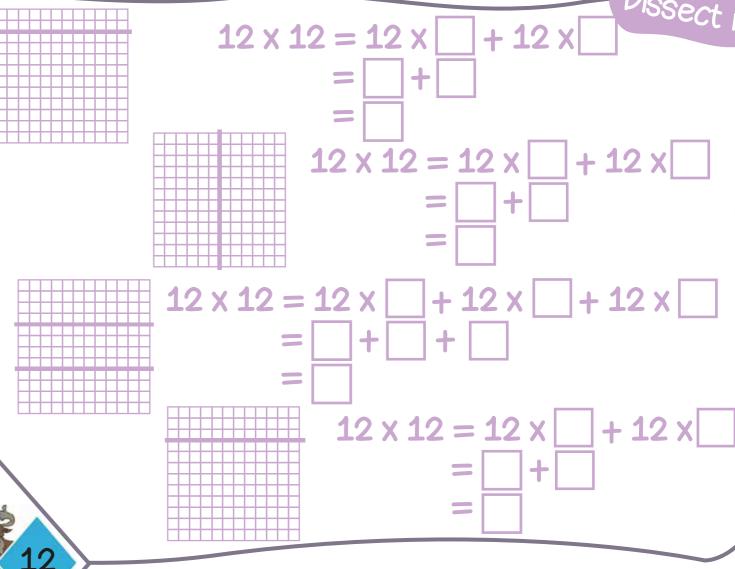
array bar 144 groups Scaling number line





If I know $12 \times 12 = 144$ then I also know...

= 144

_ multiplied by _ is _

144 =

_ groups of _ is _

144

_ shared equally between 12 is __each

__ put into groups of 12 is __ groups of 12

__ is a factor of __

__ is a multiple of __

120 = ÷ 12

1440 = x 12

÷ 120

x 12 = 144

 $\frac{1}{12}$ of = 12

A snakes and ladders board has 12 rows of 12 squares. How many squares are on the board?

Each minibus can carry 12 people. How many minibuses are needed for 144 people?

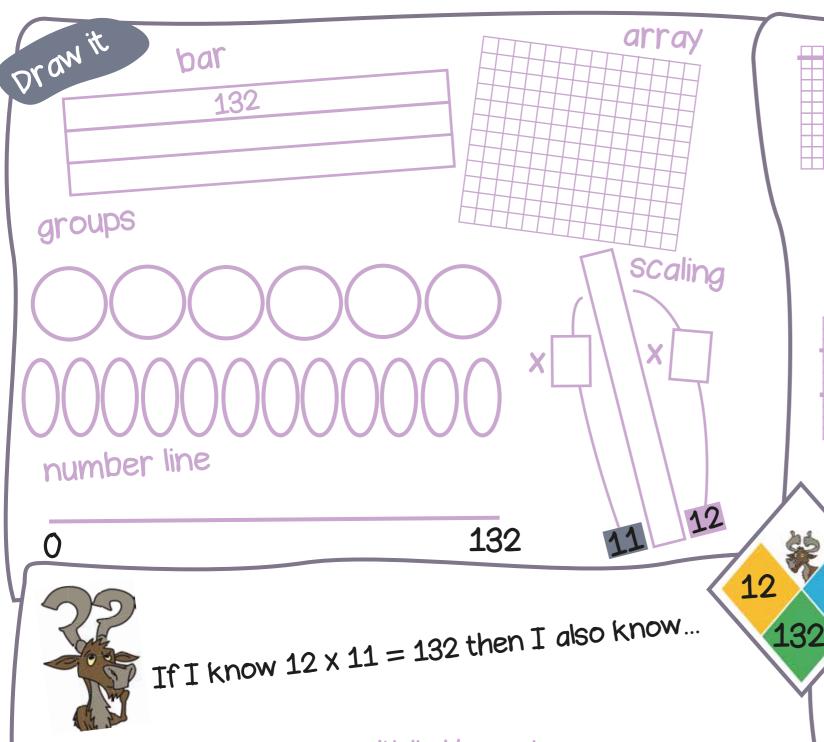
Seb jogs the same distance each month. If he jogs 1440km in a year how far does he jog each month?

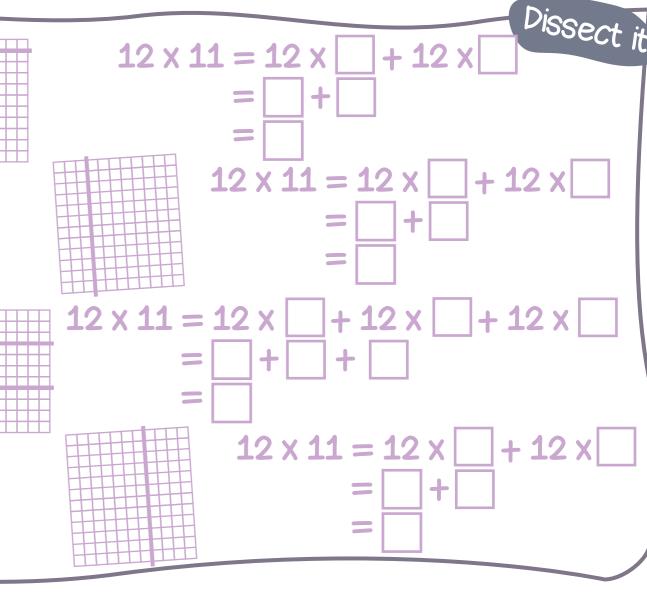
How many sides are there in total on twelve dodecagons?(12 sided shapes)



n True or false? 12 x 12 is double 6 x 6

Deepen





_ multiplied by _ is _

= 132

_ groups of _ is _

_ shared equally between 12 is _each

__ put into groups of 12 is __ groups of 12

_ and _ are factors of _

__ is a multiple of __ and __

110 = ÷ 12

1320 = x 12

÷ 120

x 12 = 132

 $\frac{1}{12}$ of |= 11

There are twelve football teams of 11 players each. How many players are there in total?

Rob drives 13200 miles in a year. How many miles does he drive in a month if each month is the same?

Each packet of seeds weighs 120g. How many bags can be filled with 1320g of seeds?

A baker buys 11 boxes of a dozen eggs. How many eggs does he buy?

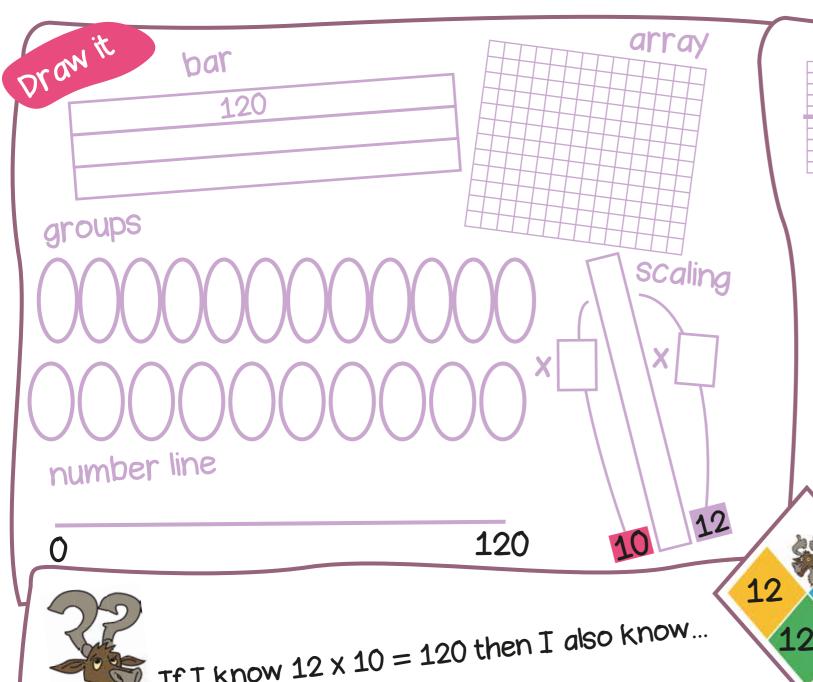
Deepen it

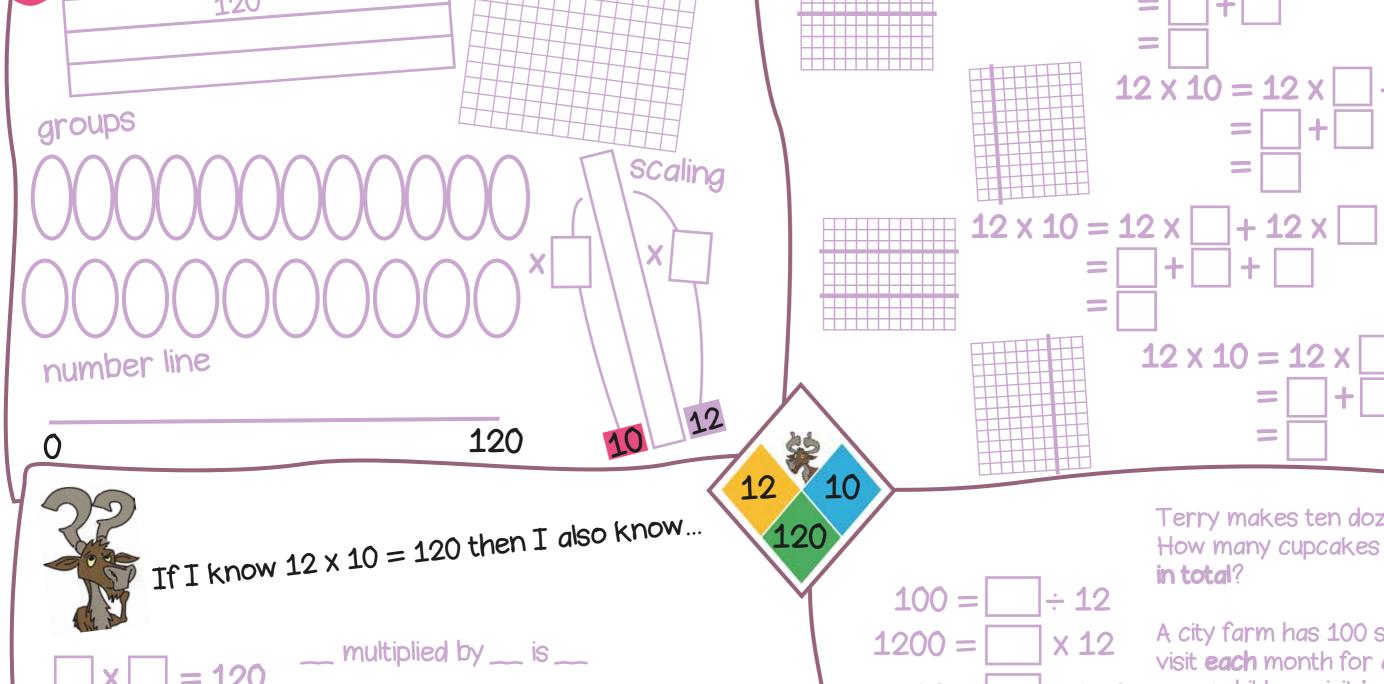


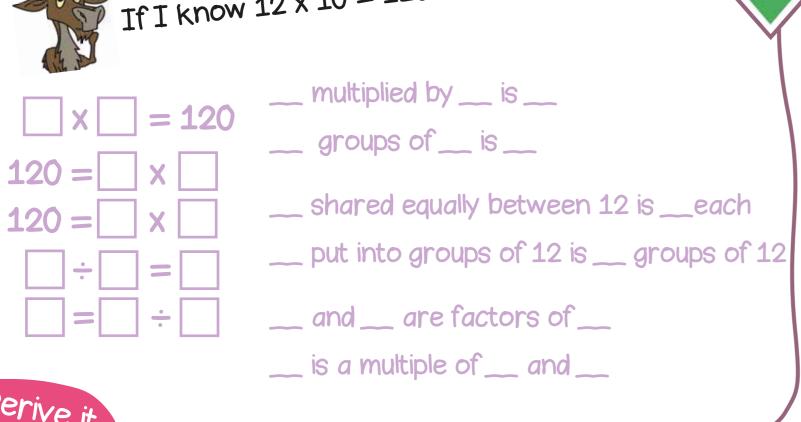
True or false? $132 = 12 \times 10 + 12$

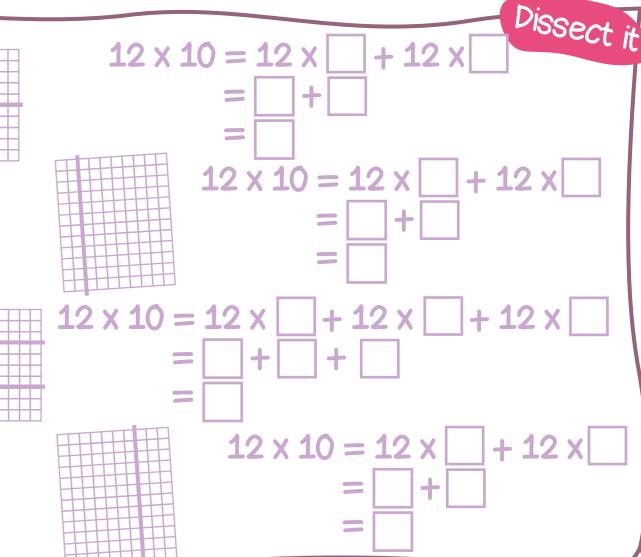
132 =

132









÷ 120 x 12 = 120 $\frac{1}{12}$ of = 10

 $1200 \div 12 = 10$ did he sell? True or false?

Terry makes ten dozen cupcakes. How many cupcakes does he make

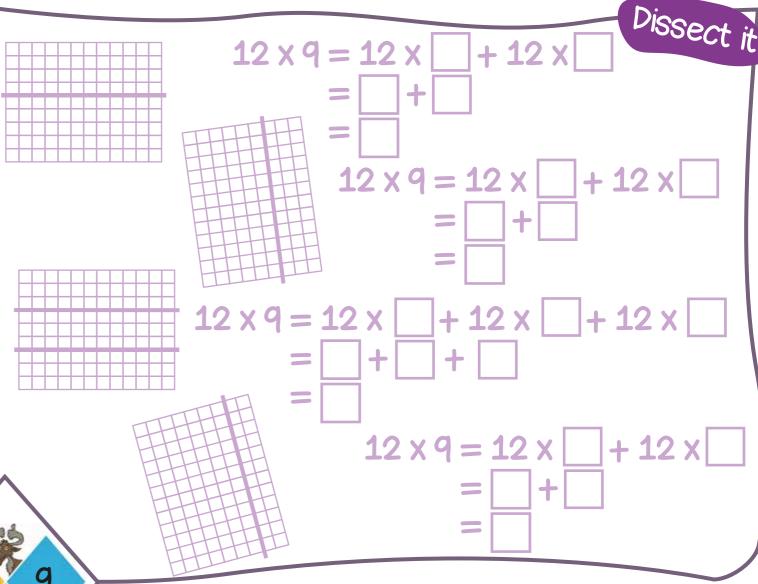
A city farm has 100 school children visit each month for a year. How many children visit in total?

Henry buys twelve tickets for £10 each. How much do the tickets cost altogether?

Andy sells bags of sweets for £1.20 each. He gets £12. How many bags



Draw it array bar 108 groups Scaling number line 108 If I know $12 \times 9 = 108$ then I also know... 108





= 108

108 =

108 =

_ multiplied by _ is _

_ groups of _ is _

_ shared equally between 12 is _each

__ put into groups of 12 is __ groups of 12

_ and _ are factors of _

__ is a multiple of __ and __

÷ 12 90 =

10,800 = x 12

÷ 90

x 12 = 1080

 $\frac{1}{12}$ of |=9

A gardener plants 12 bulbs in each of 9 pots. How many bulbs does he plant in total?

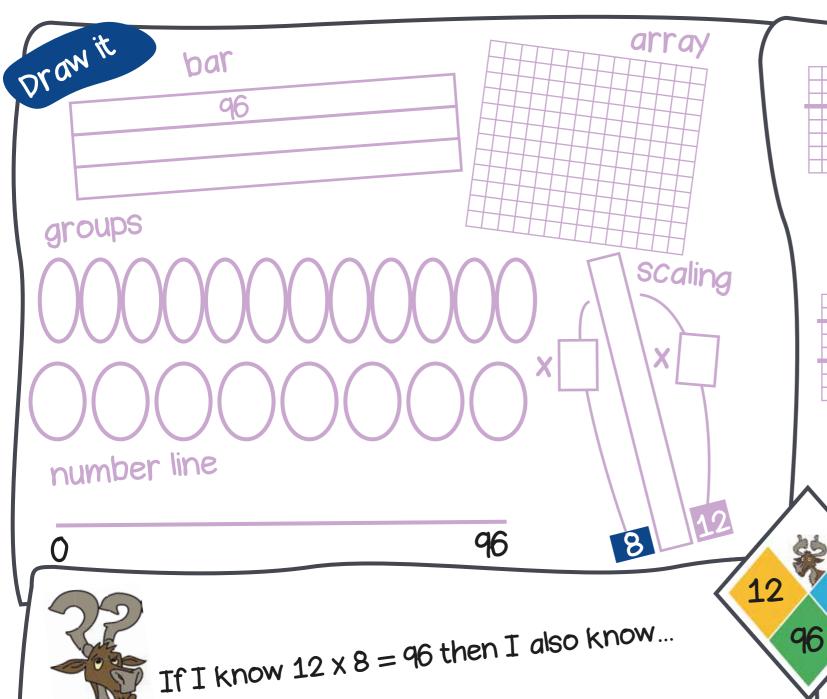
108 chairs are arranged in 12 equal rows. How many chairs are there in each row?

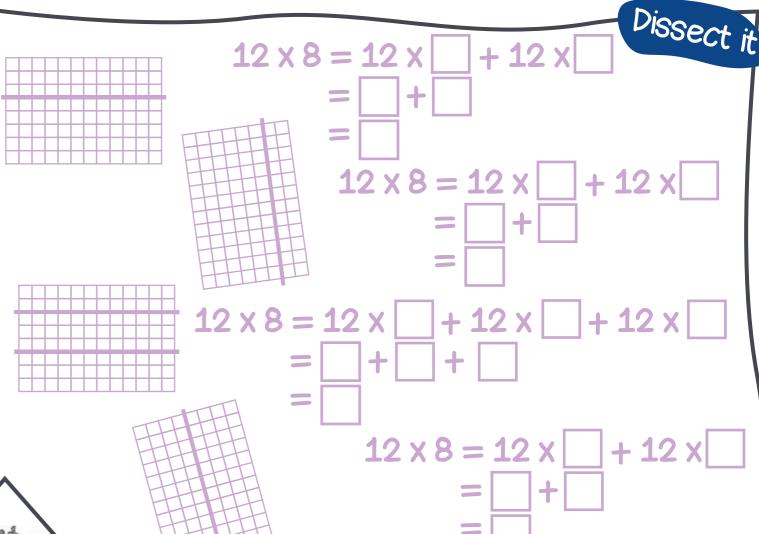
Wendy saves £90 per month for a year. How much does she save altogether?

A grandpa gives each of his grandchildren £12. He gives £108 in total. How many grandchildren?



Derive it







= 96

_ multiplied by _ is _

_ groups of _ is _

_ shared equally between 12 is _each

_ put into groups of 12 is _ groups of 12

_ and _ are factors of _

__ is a multiple of __ and __



9,600 = x 12

÷80

x 12 = 9600

 $\frac{1}{12}$ of |=80

Harry draws eight dodecagons (12 sided shapes). How many sides does he draw in total?

How many egg boxes that each hold a dozen eggs can be filled with 96 eggs?

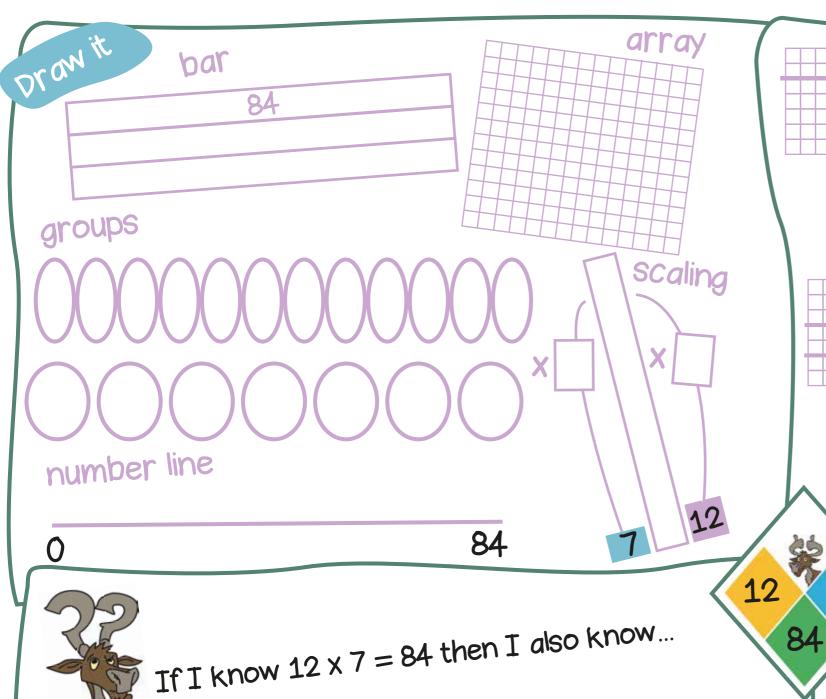
Sam stays in a hotel costing £120 per night. The hotel stay costs £960 How many nights did he stay?

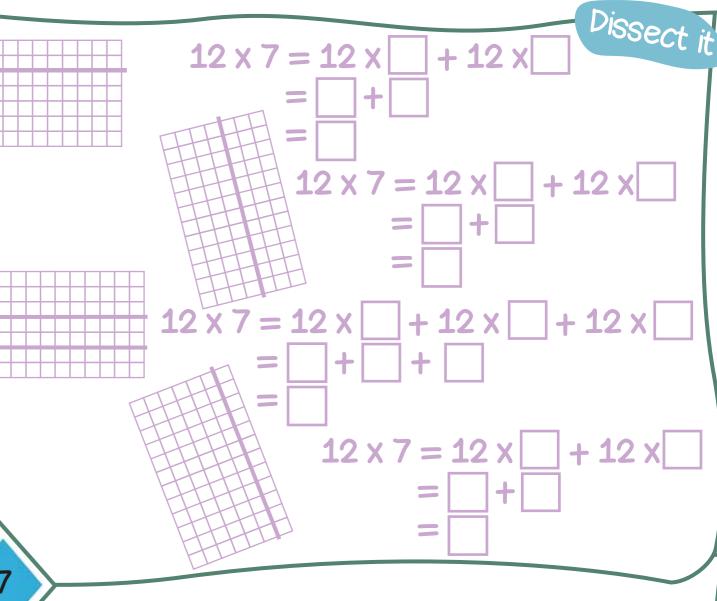
Eight bags of carrots each weigh 1.2kg. How much do they weigh altogether?

Deepen it



 $960 \div 8 = 120$ True or false?







= 84

_ multiplied by _ is _

_ groups of _ is _

_ shared equally between 12 is _each

__ put into groups of 12 is __ groups of 12

_ and _ are factors of _

__ is a multiple of __ and __



x 12 840 =

÷ 70

x 12 = 8400

 $\frac{1}{12}$ of |=70

Gill jogs 12km per day for a week. How far does she jog in total?

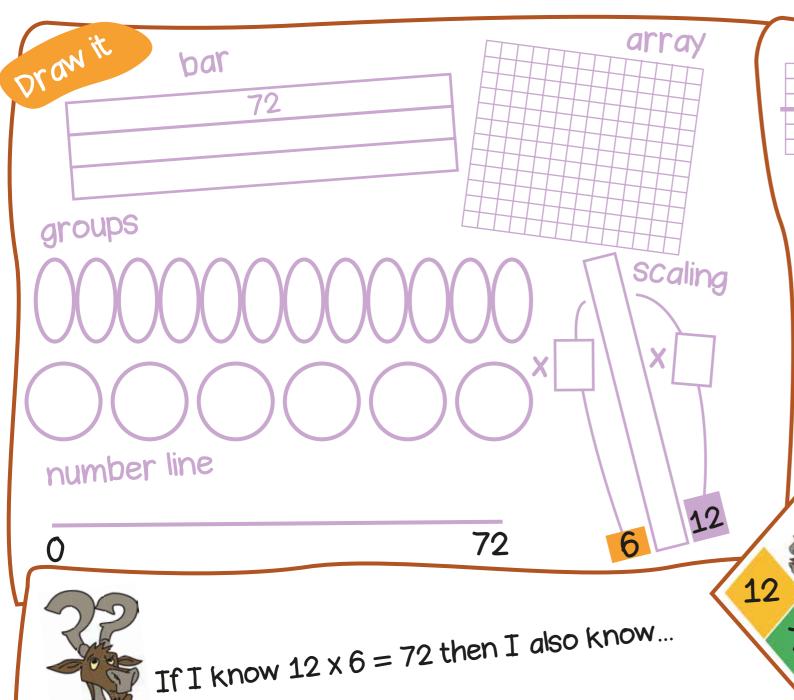
840 spectators sit in rows of 12. How many rows do they fill?

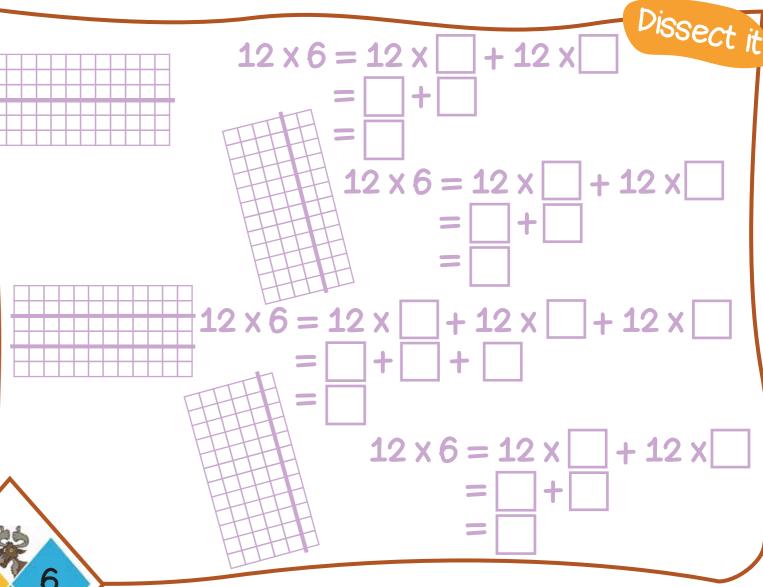
Chocolate bars cost £1.20 each. How much will 7 bars cost altogether?

Fran saves £8400 in a year, saving an equal amount each month. How much does she save each month?



 $960 \div 8 = 120$ True or false?







= 72

_ multiplied by _ is _

_ groups of _ is _

_ shared equally between 12 is _each

__ put into groups of 12 is __ groups of 12

_ and _ are factors of _

__ is a multiple of __ and __



7200 = x 12

÷ 600

x 12 = 720

 $\frac{1}{12}$ of |=60

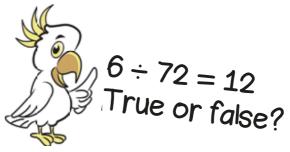
Ellie saves the same amount each month. How much does she save each month if she saves £720 in a year?

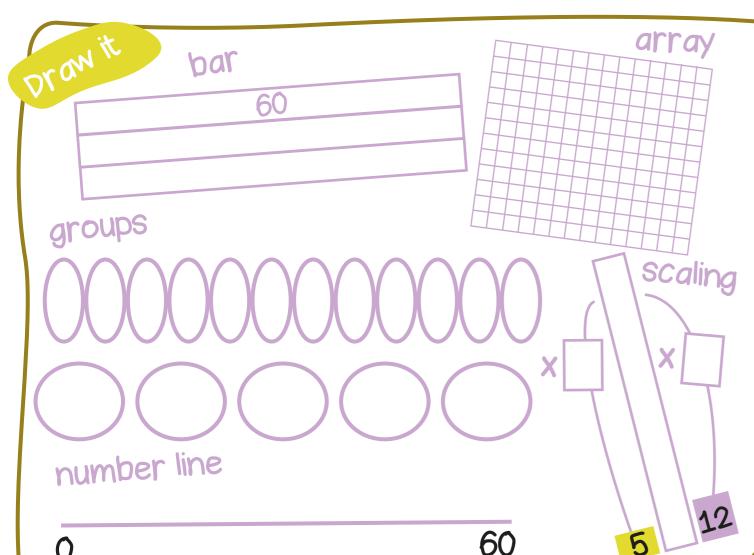
72 bulbs are planted in 12 equal rows. How many bulbs in each row?

Each baking tray holds 12 cakes. How many cakes are there in 60 trays altogether?

Each small glass holds 120ml. How much do six glasses hold?

Deepen





 $12 \times 5 = 12 \times | + 12 \times |$ $12 \times 5 = 12 \times | + 12 \times |$ $12 \times 5 = 12 \times | + 12 \times |$ 12 A scarf has 60 stripes. There are 60

12 x 5 = 12 + ___ + 12 + ___ + __



If I know $12 \times 5 = 60$ then I also know...

_ multiplied by _ is _

_ groups of _ is _

_ shared equally between 12 is _each

_ put into groups of 12 is _ groups of 12

_ and _ are factors of _

__ is a multiple of __ and __



$$\times$$
 12 = 6000

$$\frac{1}{12}$$
 of $= 50$

12 stripes in each colour. How many colours are there?

How many eggs are there in five dozen eggs?

Derek saves £50 per month. How much does he save in a year?

A grocer splits 60kg of potatoes into 12 equal bags. What weight of potatoes is there in each bag?

Deepen



True or false? $2 \times 12 \times 5 = 12 \times 10$





groups

number line

0

48



array

Scaling

$$12 \times 4 = 12 \times \boxed{ + 12 \times }$$





If I know $12 \times 4 = 48$ then I also know...



_ multiplied by _ is _

__ shared equally between 12 is __each

__ put into groups of 12 is __ groups of 12

_ and _ are factors of _

_ is a multiple of _ and _



40 = ÷ 12

$$\times$$
 12 = 4800

$$\frac{1}{12}$$
 of $= 40$

There are 12 horses in a paddock. How many legs do they have in total?

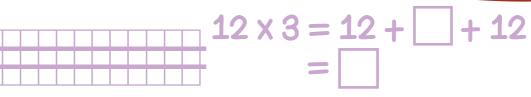
12 people travel in **each** minibus. How many minibuses are needed for 48 people?

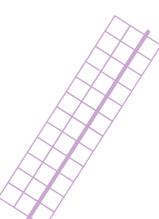
Twelve concert tickets cost £480. How much did they cost **each**?

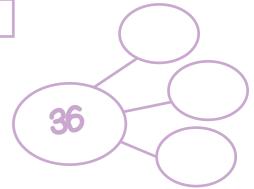
Each pack of herbs weighs 120g. How much will 4 packs of herbs weigh altogether?



True or false? 48 ÷ 12 = 24 ÷ 6 Dissect it









number line

If I know $12 \times 3 = 36$ then I also know...

x = 36

36 = X

36 = X

= :

_ multiplied by _ is _

36

_ groups of _ is _

__ shared equally between 12 is __each

__ put into groups of 12 is __ groups of 12

_ and _ are factors of _

_ is a multiple of _ and _

30 = ÷ 12

3600 = X 12

12 = ÷ 30

= 3600

 $\frac{1}{12}$ of = 30

Debbie draws twelve triangles. How many straight sides has she drawn altogether?

Eric buys 12 equal bags of sweets. The **total** weight is 3600g. How much does each bag weigh?

Each bottle holds 1200ml of juice. How much juice is there in 3 bottles in total?

£36 is spent on 12 tickets for a raffle. How much is **each** ticket?

Deepen it



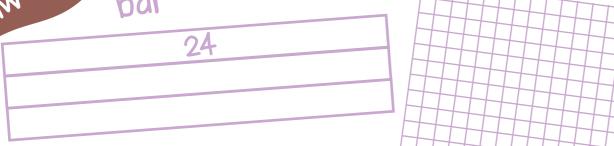
True or false? 360 ÷ 30 = 10

12

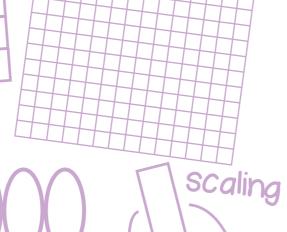
36

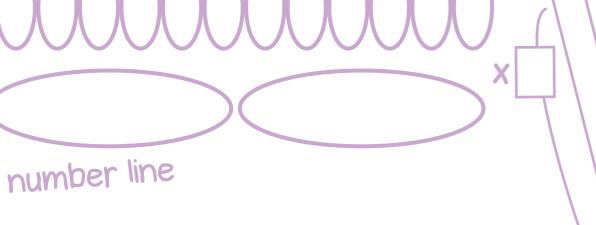
Draw it array bar

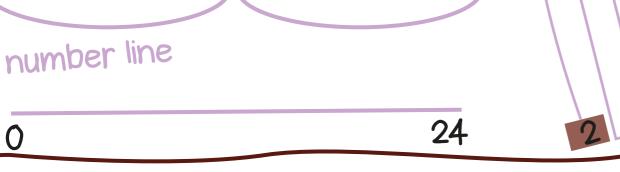


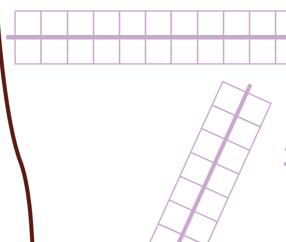


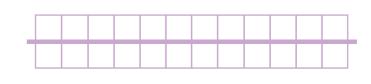
groups















If I know $12 \times 2 = 24$ then I also know...



_ multiplied by _ is _

_ groups of _ is _

_ shared equally between 12 is _each

_ put into groups of 12 is _ groups of 12

_ and _ are factors of _

__ is a multiple of __ and __



÷ 12 20 =

2400 = x 12

÷ 20

x 12 = 2400

 $\frac{1}{12}$ of |=20



True or false? $204 \div 12 = 20$

How many eggs are there in two dozen eggs?

One show ticket costs £120. How much would twenty tickets cost?

240 biscuits are shared equally onto twelve plates. How many biscuits are there on each plate?

2400 beads are threaded with 120 on each necklace. How many necklaces are there?

Deepen it