bar

72

array

groups

scaling

x ☐   x ☐

12   6

number line

0 ——————————— 72

6 x 12 = 6 x ☐ + 6 x ☐
= ☐ + ☐
= ☐

6 x 12 = 6 x ☐ + 6 x ☐
= ☐ + ☐
= ☐

6 x 12 = 6 x ☐ + 6 x ☐ + 6 x ☐
= ☐ + ☐ + ☐
= ☐

6 x 12 = 6 x ☐ + 6 x ☐
= ☐ + ☐
= ☐

6   12
72

If I know 6 x 12 = 72 then I also know…

☐ x ☐ = 72

72 = ☐ x ☐

72 = ☐ x ☐

☐ ÷ ☐ = ☐

☐ = ☐ ÷ ☐

__ multiplied by __ is __

__ groups of __ is __

__ shared equally between 6 is __ each

__ put into groups of 6 is __ groups of 6

__ and __ are factors of __

__ is a multiple of __ and __

60 = ☐ ÷ 12

7200 = ☐ x 12

12 = ☐ ÷ 60

☐ x 6 = 72

$\frac{1}{6}$ of ☐ = 12

Mary sells trainers for £60 a pair. If she earns £7200, how many pairs has she sold **altogether**?

Each side of a hexagon is 12mm. What is the perimeter?

How many minutes are there in 12 hours **altogether**?

Sixty runners run a **total** of 720km for charity. They **each** run the same distance. How far do they **each** run?

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

bar

66

array

groups

scaling

x ☐   x ☐

11   6

number line

0 ──────────────── 66

$6 \times 11 = 6 \times \square + 6 \times \square$
$= \square + \square$
$= \square$
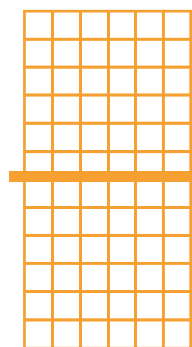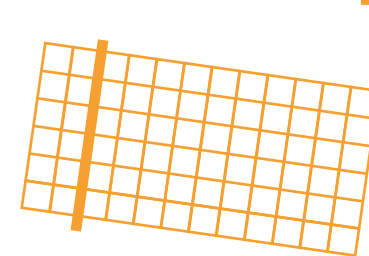
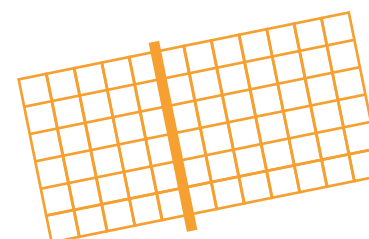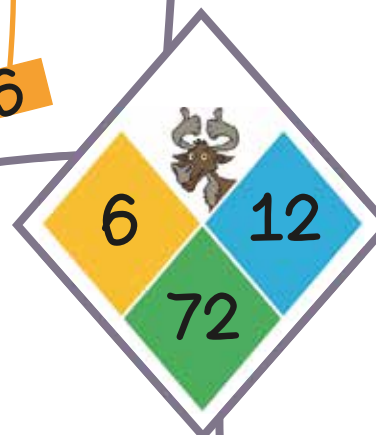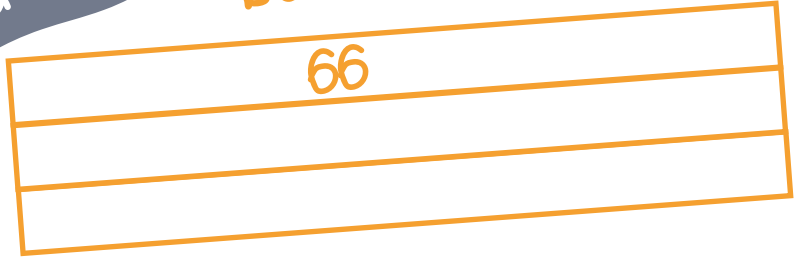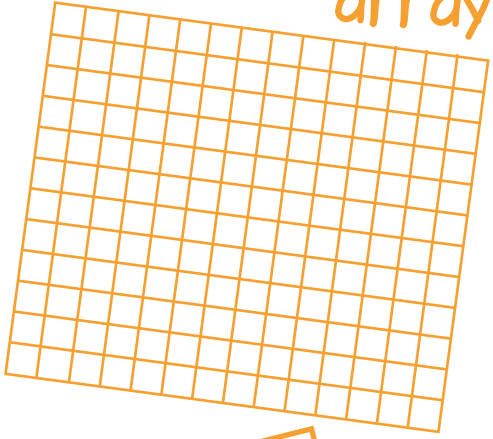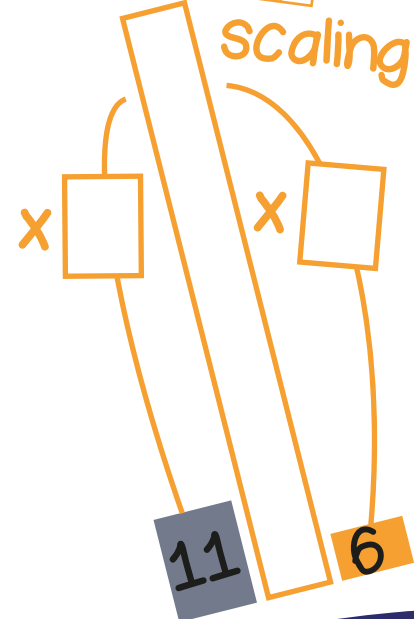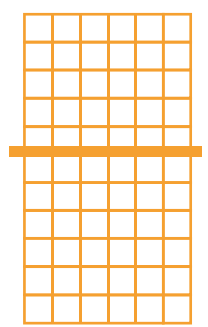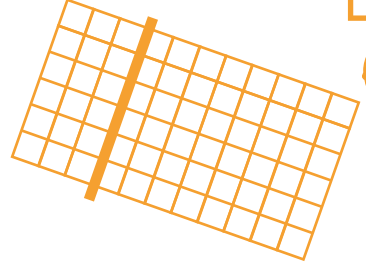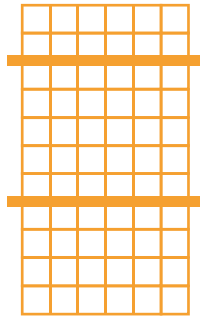$6 \times 11 = 6 \times \square + 6 \times \square$
$= \square + \square$
$= \square$

$6 \times 11 = 6 \times \square + 6 \times \square + 6 \times \square$
$= \square + \square + \square$
$= \square$

$6 \times 11 = 6 \times \square + 6 \times \square$
$= \square + \square$
$= \square$

6   11
66

If I know 6 x 11 = 66 then I also know...

$\square \times \square = 66$

$66 = \square \times \square$

$66 = \square \times \square$

$\square \div \square = \square$

$\square = \square \div \square$

___ multiplied by ___ is ___

___ groups of ___ is ___

___ shared equally between 6 is ___ each

___ put into groups of 6 is ___ groups of 6

___ and ___ are factors of ___

___ is a multiple of ___ and ___
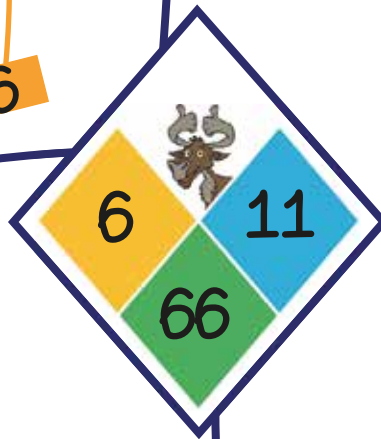
$60 = \square \div 11$

$6600 = \square \times 11$

$11 = \square \div 60$

$\square \times 6 = 660$

$\frac{1}{6}$ of $\square = 11$

Each side of a hexagon is 11mm. What is the perimeter?

How many minutes are there in 6600 seconds?

Nell earns £660 for selling 60 toys. **Each** toy cost the same. How much was **each** toy?

Each glass holds 110ml of juice. How much juice is needed to fill 60 glasses?

11 ÷ 66 = 6
True or false?

www.buzzardpublishing.com

bar

60

array

groups

scaling

x ☐   x ☐

10   6

number line

0 ——————————————— 60

$6 \times 10 = 6 \times \square + 6 \times \square$
$= \square + \square$
$= \square$

$6 \times 10 = 6 \times \square + 6 \times \square$
$= \square + \square$
$= \square$

$6 \times 10 = 6 \times \square + 6 \times \square + 6 \times \square$
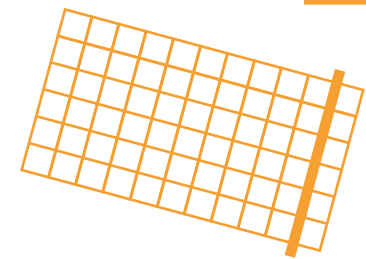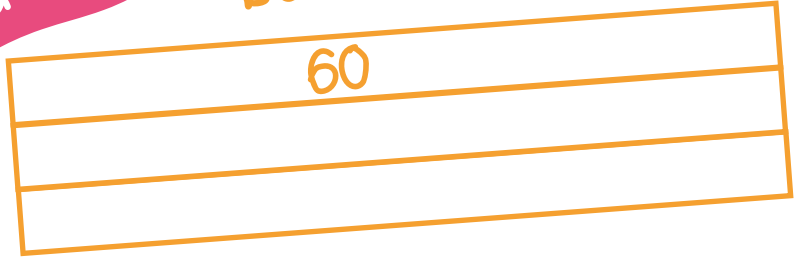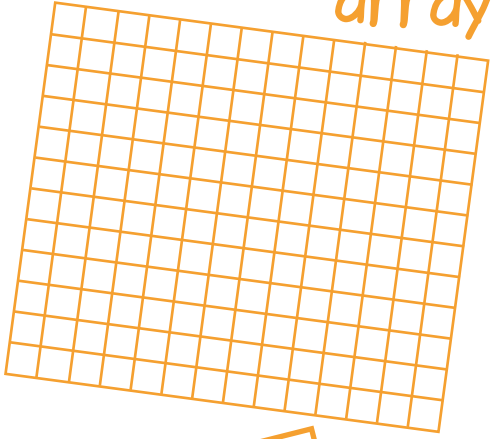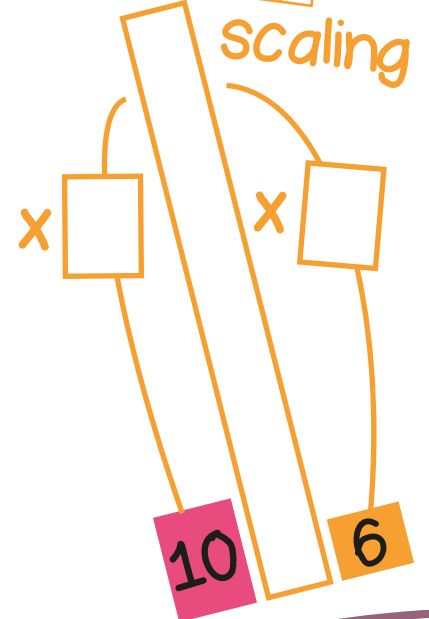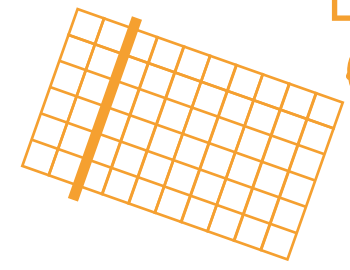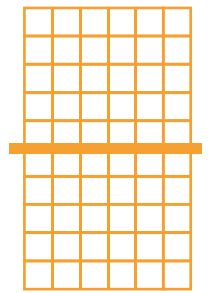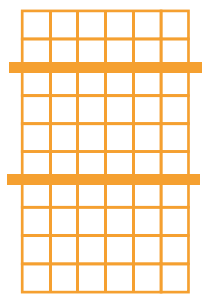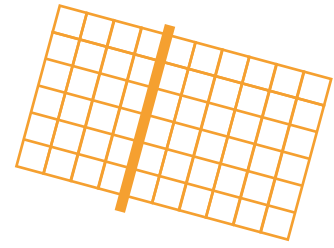$= \square + \square + \square$
$= \square$

$6 \times 10 = 6 \times \square + 6 \times \square$
$= \square + \square$
$= \square$

6 | 10
60

If I know 6 x 10 = 60 then I also know…

$\square \times \square = 60$

$60 = \square \times \square$

$60 = \square \times \square$

$\square \div \square = \square$

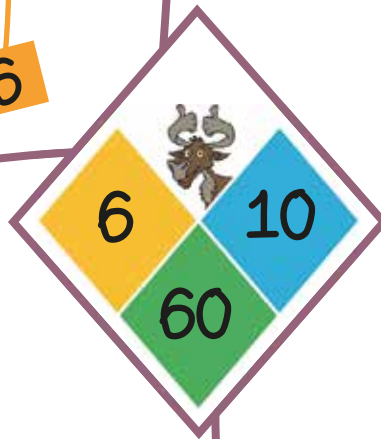$\square = \square \div \square$

__ multiplied by __ is __

__ groups of __ is __

__ shared equally between 6 is __ each

__ put into groups of 6 is __ groups of 6

__ and __ are factors of __

__ is a multiple of __ and __

$60 = \square \div 10$

$6000 = \square \times 10$

$10 = \square \div 60$

$\square \times 6 = 60$

$\frac{1}{6}$ of $\square = 10$

Each pack holds 10 pens. **Each** box holds 60 packs. How many pens are there in a box **altogether**?

Sixty runners run a **total** of 6000km for charity. They **each** run the same distance. How far do they **each** run?

How many minutes are there in 100 hours?

Each packet of seeds weighs 100g. How many packets can be filled with 6kg of seeds?
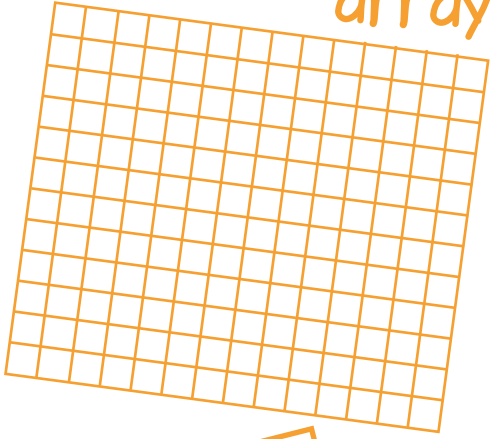
True or false?
6 x 10 is double 6 x 5

www.buzzardpublishing.com
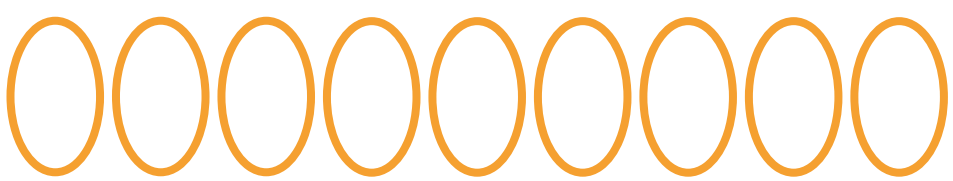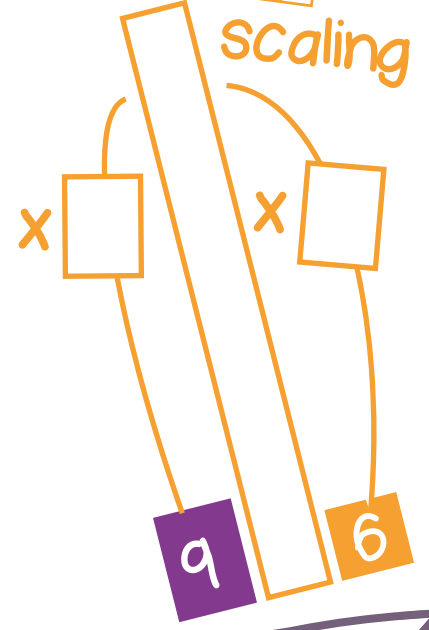
bar

54

array

groups

scaling

x ☐   x ☐

9   6

number line
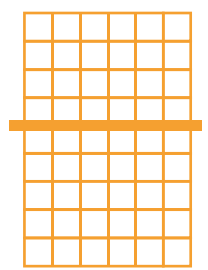
0   54

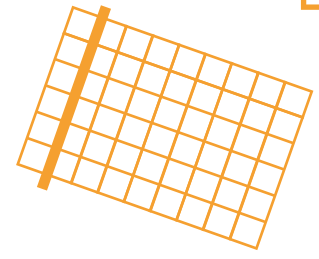$6 \times 9 = 6 \times \square + 6 \times \square$
$= \square + \square$
$= \square$

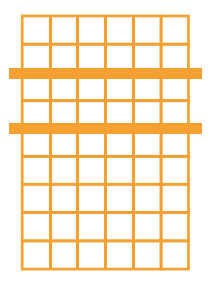$6 \times 9 = 6 \times \square + 6 \times \square$
$= \square + \square$
$= \square$

$6 \times 9 = 6 \times \square + 6 \times \square + 6 \times \square$
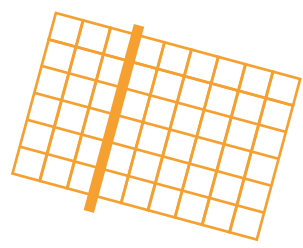$= \square + \square + \square$
$= \square$

$6 \times 9 = 6 \times \square + 6 \times \square$
$= \square + \square$
$= \square$

6   9
54

If I know 6 x 9 = 54 then I also know…

$\square \times \square = 54$

$54 = \square \times \square$
$54 = \square \times \square$

$\square \div \square = \square$

$\square = \square \div \square$

__ multiplied by __ is __

__ groups of __ is __

__ shared equally between 6 is __ each

__ put into groups of 6 is __ groups of 6

__ and __ are factors of __

__ is a multiple of __ and __

$60 = \square \div 9$

$5400 = \square \times 9$

$9 = \square \div 60$

$\square \times 6 = 540$

$\frac{1}{6}$ of $\square = 9$

$540 \div 90 = 60$
True or false?

How many minutes are there in nine hours **altogether**?

Beth sells bracelets for £60 **each**. If she earns £540, how many bracelets has she sold **altogether**?

There are 60 chews in each pack. Chews are sold for 90p each. How much is a pack sold for **in total**?
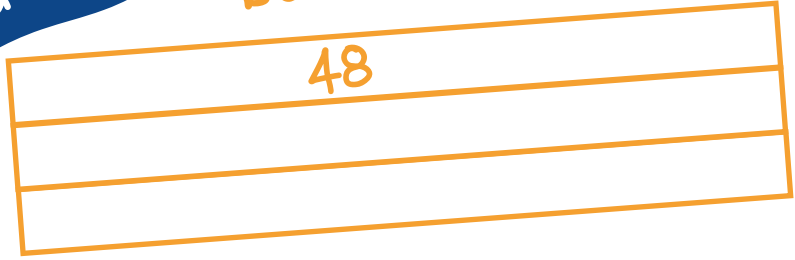
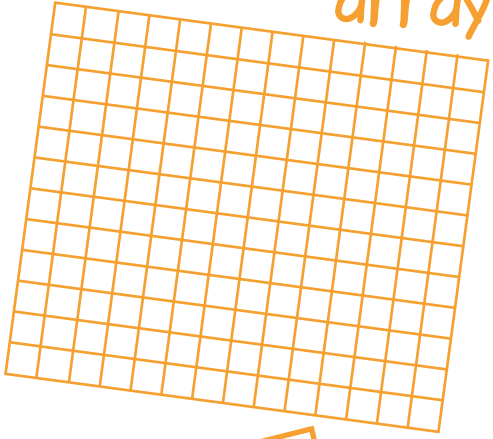Six painters earn £5400 for a job. They share the money equally. How much do they **each** receive?
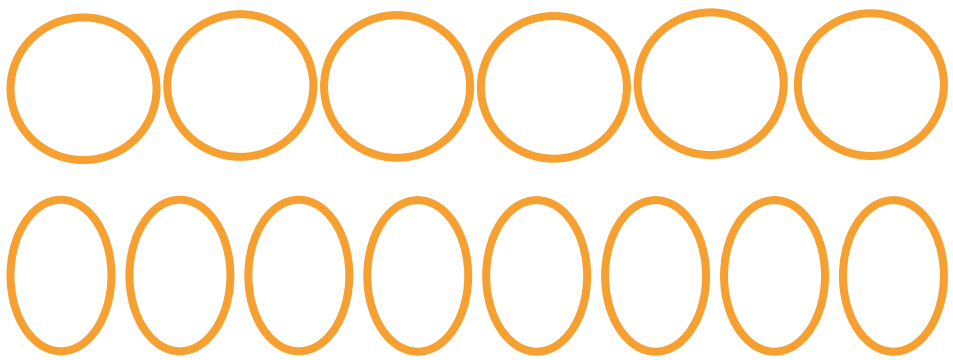
bar

48

array

groups

scaling

x ☐   x ☐
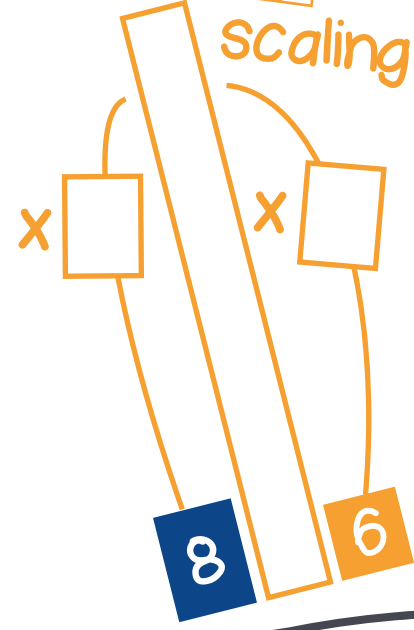
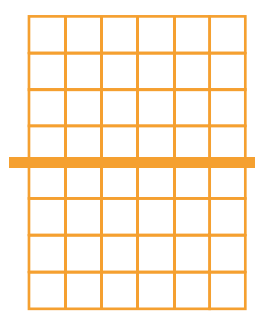8   6

number line

0 — 48

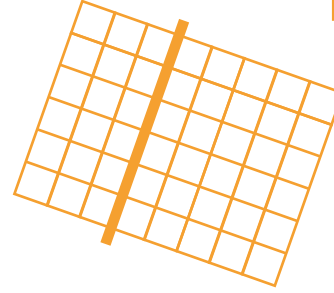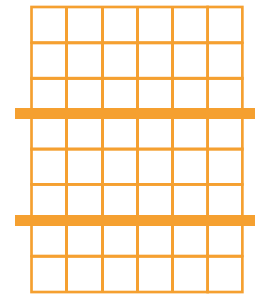$6 \times 8 = 6 \times \square + 6 \times \square$
$= \square + \square$
$= \square$

$6 \times 8 = 6 \times \square + 6 \times \square$
$= \square + \square$
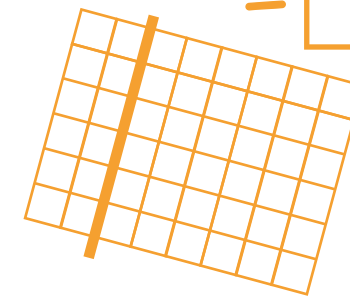$= \square$

$6 \times 8 = 6 \times \square + 6 \times \square + 6 \times \square$
$= \square + \square + \square$
$= \square$

$6 \times 8 = 6 \times \square + 6 \times \square$
$= \square + \square$
$= \square$

6   8
48

If I know 6 x 8 = 48 then I also know...

$\square \times \square = 48$

$48 = \square \times \square$

$48 = \square \times \square$

$\square \div \square = \square$

$\square = \square \div \square$

__ multiplied by __ is __

__ groups of __ is __

__ shared equally between 6 is __ each

__ put into groups of 6 is __ groups of 6

__ and __ are factors of __

__ is a multiple of __ and __

$60 = \square \div 8$

$4800 = \square \times 8$

$8 = \square \div 60$

$\square \times 6 = 480$

$\frac{1}{6}$ of $\square = 8$

How many minutes are equivalent to 4800 seconds?

A hexagon has sides of 80mm. What is the perimeter of the hexagon?

There are 480 golf balls in a box. The box contains 80 packs of balls. How many balls are in **each** pack?

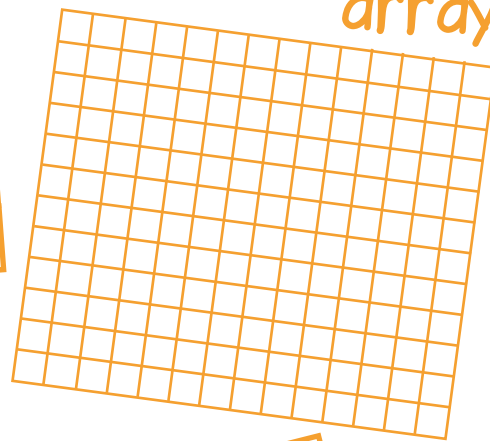Six runners **each** run 800m. How far have they run **in total**?

$4800 \div 6 = 80$
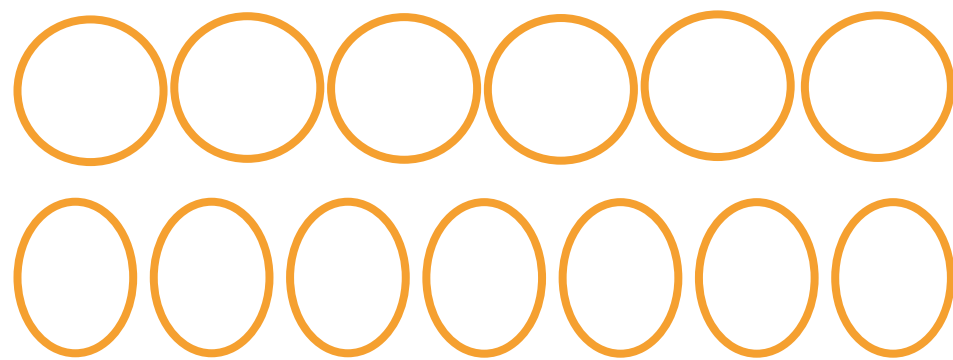True or false?
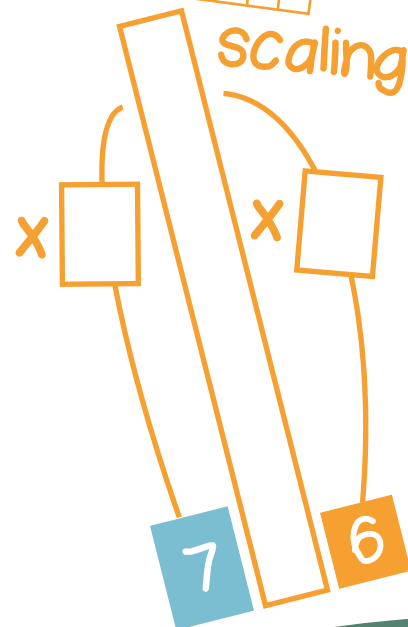
bar

42

array

groups

scaling

x ☐   x ☐

7   6

number line

0 ———————————————— 42

$6 \times 7 = 6 \times \Box + 6 \times \Box$
$= \Box + \Box$
$= \Box$

$6 \times 7 = 6 \times \Box + 6 \times \Box$
$= \Box + \Box$
$= \Box$

$6 \times 7 = 6 \times \Box + 6 \times \Box + 6 \times \Box$
$= \Box + \Box + \Box$
$= \Box$

$6 \times 7 = 6 \times \Box + 6 \times \Box$
$= \Box + \Box$
$= \Box$

6   7
42

If I know 6 x 7 = 42 then I also know...

$\Box \times \Box = 42$

$42 = \Box \times \Box$

$42 = \Box \times \Box$

$\Box \div \Box = \Box$

$\Box = \Box \div \Box$

___ multiplied by ___ is ___

___ groups of ___ is ___

___ shared equally between 6 is ___ each

___ put into groups of 6 is ___ groups of 6

___ and ___ are factors of ___

___ is a multiple of ___ and ___

$60 = \Box \div 7$

$4200 = \Box \times 7$

$7 = \Box \div 60$

$\Box \times 6 = 420$

$\frac{1}{6}$ of $\Box = 7$

$4200 \div 60 = 7$
True or false?

How many seconds are there in 7 hours?

Each box contains 6 eggs. **Each** stack has 70 boxes. How many eggs are in a stack **altogether**?

A cyclist travels a **total** of 420km in a week. He cycles the same distance **each** day. How far does he cycle **each** day?
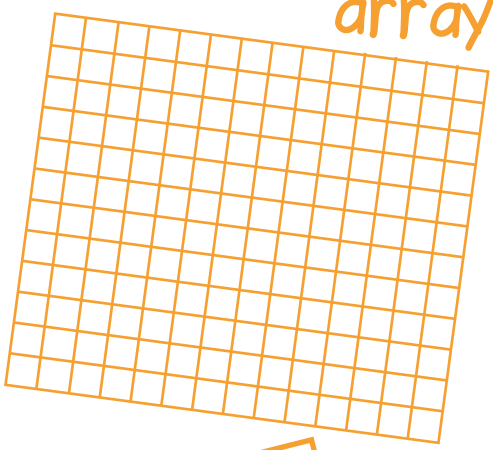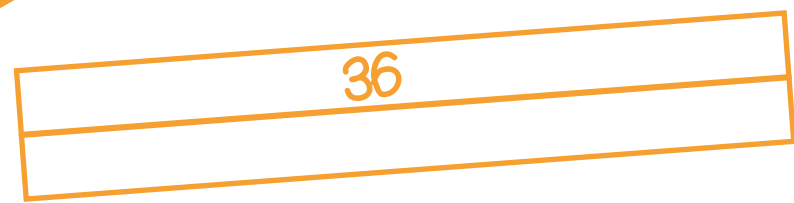
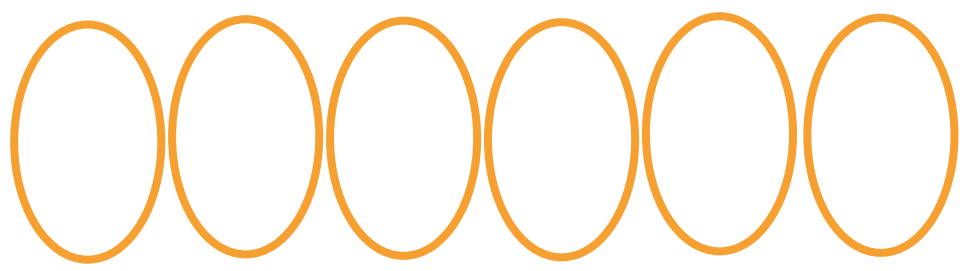How many 600ml mugs can be filled from 4200ml of milk?

bar

36

array

groups

scaling

× ☐
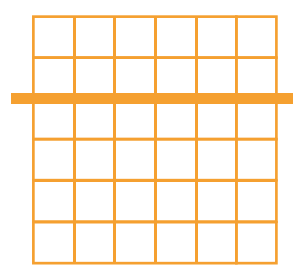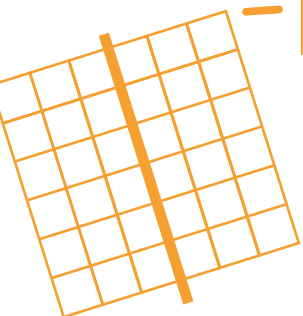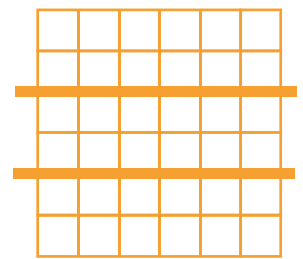
6

number line

0   36
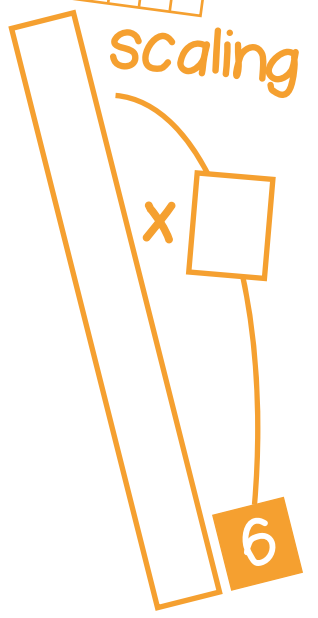
$6 \times 6 = 6 \times \square + 6 \times \square$
$= \square + \square$
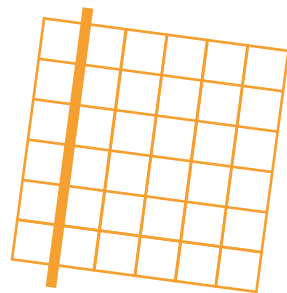$= \square$

$6 \times 6 = 6 \times \square + 6 \times \square$
$= \square + \square$
$= \square$

$6 \times 6 = 6 \times \square + 6 \times \square + 6 \times \square$
$= \square + \square + \square$
$= \square$

$6 \times 6 = 6 \times \square + 6 \times \square$
$= \square + \square$
$= \square$

6	6
	36

If I know $6 \times 6 = 36$ then I also know...

$\square \times \square = 36$

$36 = \square \times \square$

$\square \div \square = \square$

$\square = \square \div \square$

__ multiplied by __ is __

__ groups of __ is __

__ shared equally between 6 is __ each

__ put into groups of 6 is __ groups of 6

__ is a factor of __

__ is a multiple of __

$60 = \square \div 6$

$3600 = \square \times 6$

$6 = \square \div 60$

$\square \times 6 = 360$

$\frac{1}{6}$ of $\square = 60$

$36 \div 60 = 6$
True or false?

A square patio has 36 slabs **in total**. How many slabs are in **each** row?

Chocolate bars cost 60p **each**. How much will 6 bars cost?

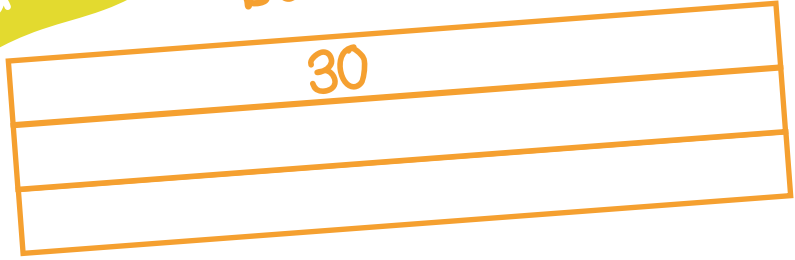**Each** pack holds 60 pens. **Each** box holds 60 packs. How many pens are in a box?

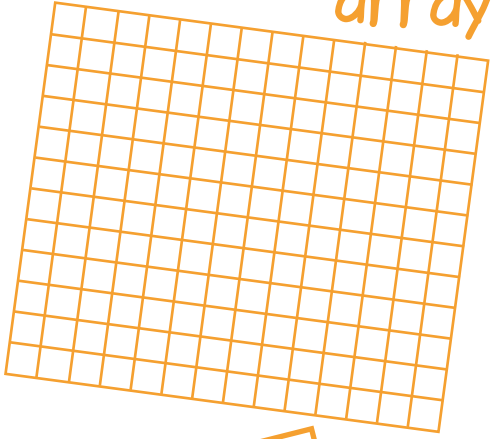How many hours are there in 3600 minutes?

www.buzzardpublishing.com
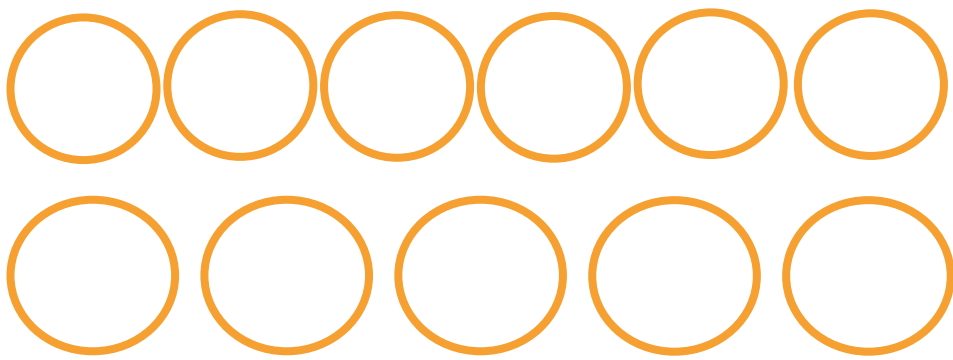
bar

30

array
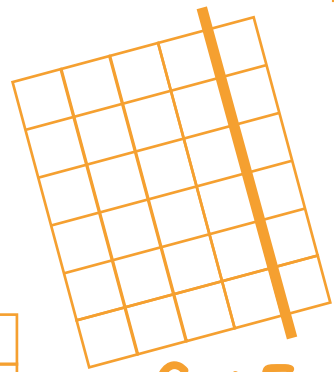
groups

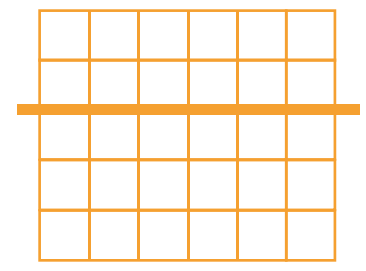## scaling

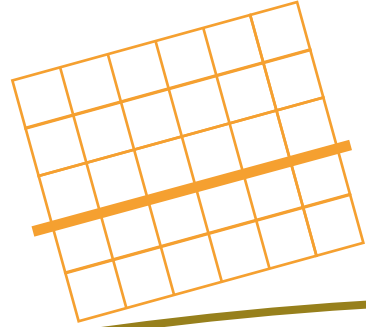x ▢   x ▢

5   6

number line

0 ———————————— 30

$6 \times 5 = 6 + \square + 6 + \square + \square$
$= \square$

$6 \times 5 = 6 \times \square + 6 \times \square$
$= \square + \square$
$= \square$

$6 \times 5 = 6 \times \square + 6 \times \square$
$= \square + \square$
$= \square$

$6 \times 5 = 6 \times \square + 6 \times \square$
$= \square + \square$
$= \square$

6   5
30

If I know 6 x 5 = 30 then I also know...

$\square \times \square = 30$

$30 = \square \times \square$

$30 = \square \times \square$

$\square \div \square = \square$

$\square = \square \div \square$

__ multiplied by __ is __

__ groups of __ is __

__ shared equally between 6 is __ each

__ put into groups of 6 is __ groups of 6

__ and __ are factors of __

__ is a multiple of __ and __

$60 = \square \div 5$

$3000 = \square \times 5$

$5 = \square \div 60$

$\square \times 6 = 300$

$\frac{1}{6}$ of $\square = 5$

$300 \div 60 = 50$
True or false?

There are 60 beads on **each** dress. How many beads are there on 50 dresses?

Each side of a hexagon is 50mm. What is the perimeter?

Six runners run a **total** of 3000km for charity. They **each** run the same distance. How far do they **each** run?
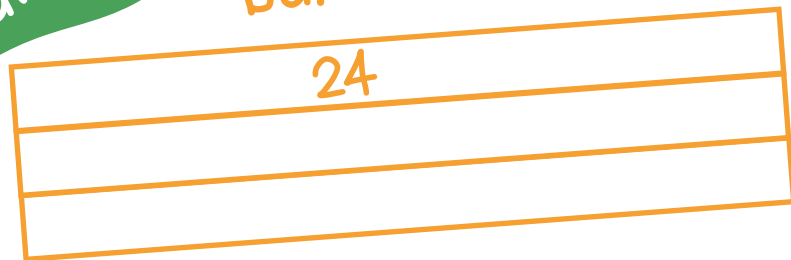
Oliver sells scarves for £60 **each**. If he earns £300, how many scarves has he sold **altogether**?
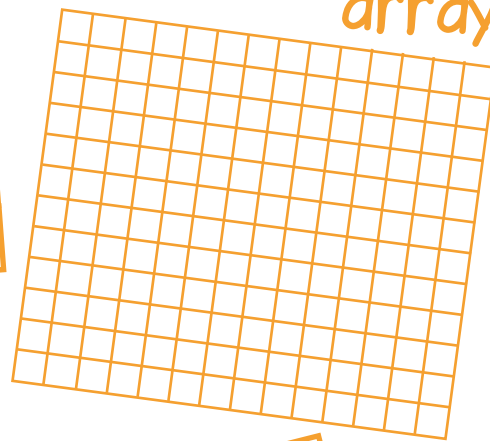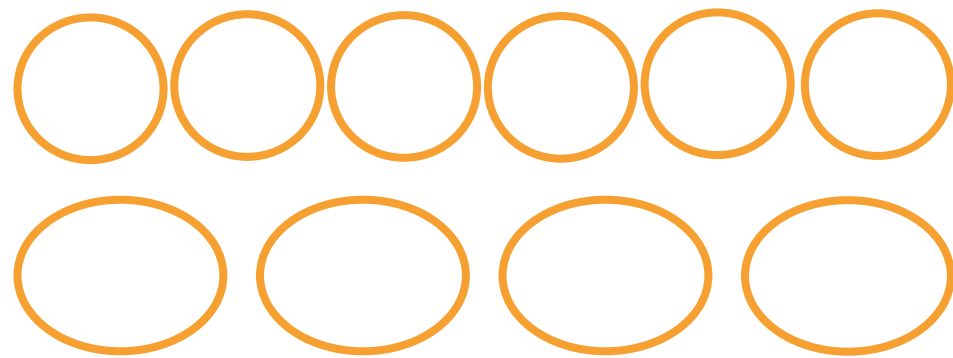
Draw it

bar

24

array

groups
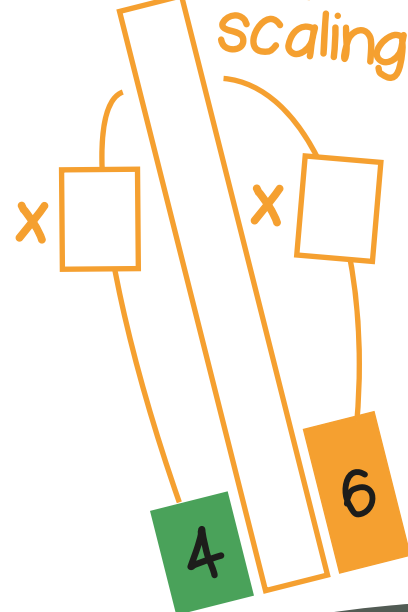
scaling

x ☐   x ☐

4   6

number line

0 ——————————— 24

Dissect it

$6 \times 4 = 6 + ☐ + 6 + ☐$
$= ☐$

$6 \times 4 = 6 \times ☐ + 6 \times ☐$
$= ☐ + ☐$
$= ☐$

$6 \times 4 = 6 \times ☐ + 6 \times ☐$
$= ☐ + ☐$
$= ☐$

$6 \times 4 = 6 \times ☐ + 6 \times ☐$
$= ☐ + ☐$
$= ☐$

6   4
24

Derive it

If I know 6 x 4 = 24 then I also know…

☐ x ☐ = 24

$24 = ☐ \times ☐$

$24 = ☐ \times ☐$

☐ ÷ ☐ = ☐

☐ = ☐ ÷ ☐

__ multiplied by __ is __

__ groups of __ is __

__ shared equally between 6 is __ each

__ put into groups of 6 is __ groups of 6

__ and __ are factors of __

__ is a multiple of __ and __

Deepen it

$60 = ☐ ÷ 4$

$240 = ☐ \times 4$

$40 = ☐ ÷ 60$

$☐ \times 6 = 2400$

$\frac{1}{6}$ of ☐ = 4

How many minutes are there in 4 hours?

Six builders earn £2400. They share it equally. How much do they **each** receive?

If **each** concert ticket costs £60, how much would 40 tickets cost **altogether**?

The perimeter of a shape is 240mm. **Each** side is 60mm. How many sides does the shape have?

$6 \times 4 = 6 \times 2 \times 2$
True or false?

bar

18

array

groups

scaling

x ☐   x ☐

3   6

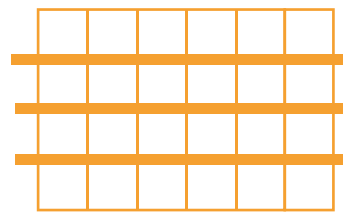**number line**

0   18
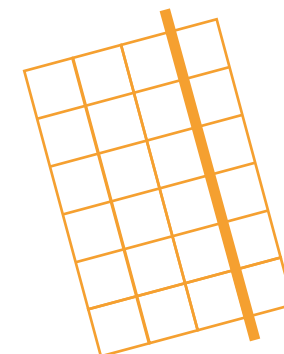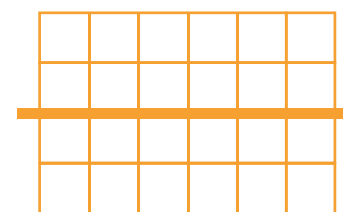
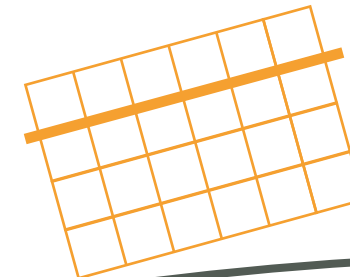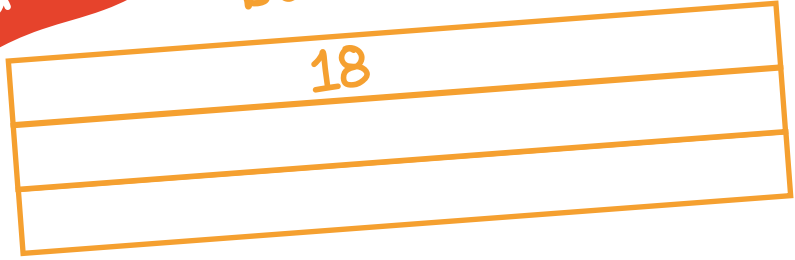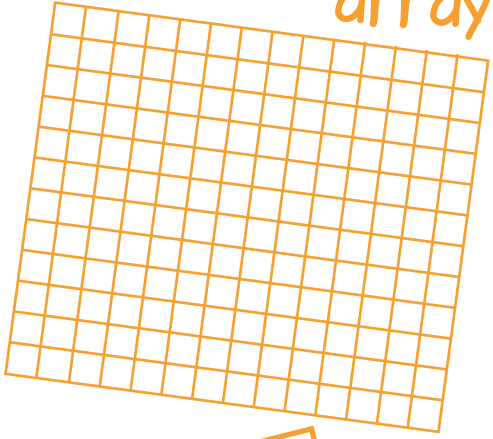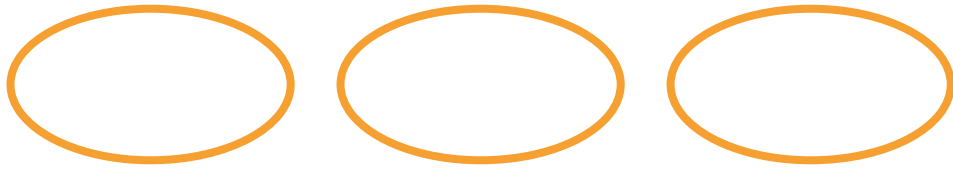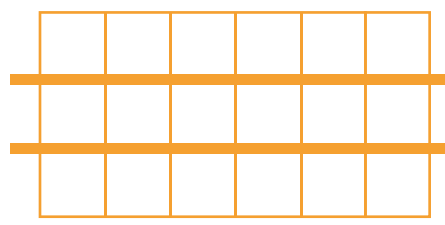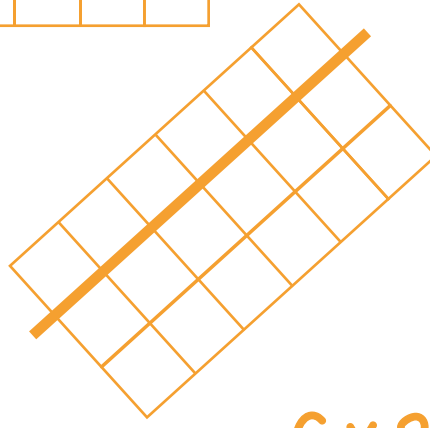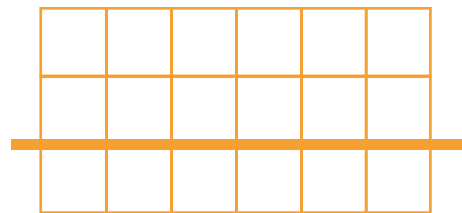$6 \times 3 = 6 + \square + \square$
$= \square$

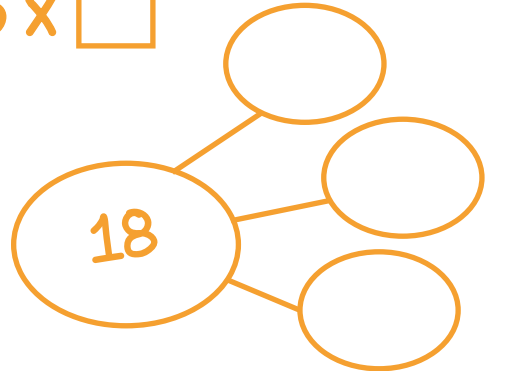$6 \times 3 = 6 \times \square + 6 \times \square$
$= \square + \square$
$= \square$

$6 \times 3 = 6 \times \square + 6 \times \square$
$= \square + \square$
$= \square$

18

6   3
18
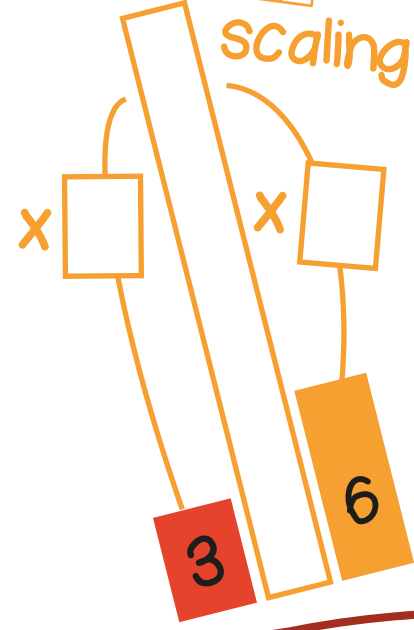
If I know 6 x 3 = 18 then I also know...

$\square \times \square = 18$

$18 = \square \times \square$

$18 = \square \times \square$

$\square \div \square = \square$

$\square = \square \div \square$

__ multiplied by __ is __

__ groups of __ is __

__ shared equally between 6 is __each

__ put into groups of 6 is __ groups of 6

__ and __ are factors of __

__ is a multiple of __ and __

$60 = \square \div 3$

$180 = \square \times 3$

$30 = \square \div 60$

$\square \times 6 = 1800$

$\frac{1}{6}$ of $\square = 3$

$180 \div 60 = 30$
True or false?

Max draws a triangle with sides of 60mm. What is the perimeter of his triangle?

A pallet of 30kg sacks of dog food has 1800kg of dog food. How many sacks of dog food are there?

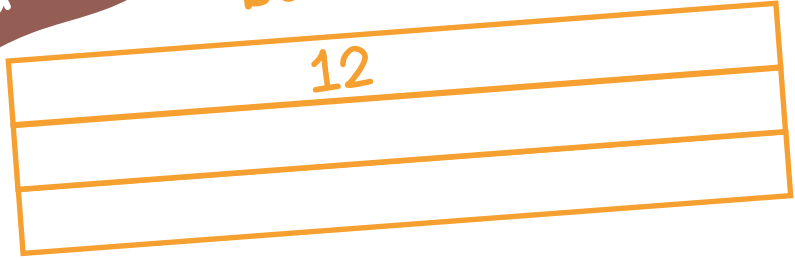180 spectators sit in rows of 30. How many rows can they fill in **total**?

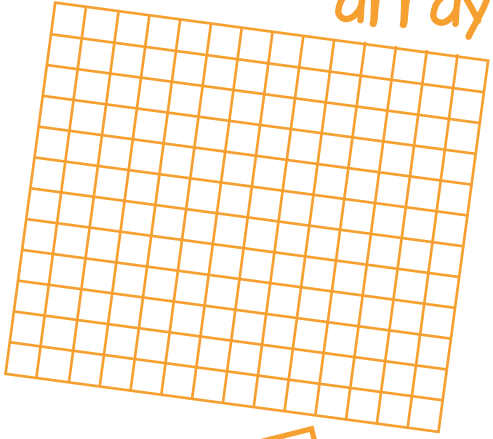Phil saves £300 **each** month for 6 months. How much does he save **altogether**?

www.buzzardpublishing.com
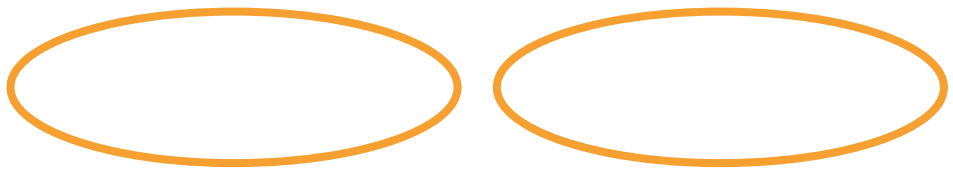
bar

12

array

groups

scaling

x ☐   x ☐

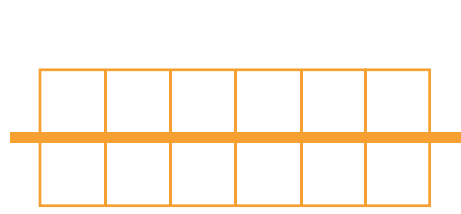2   6

number line

0   12
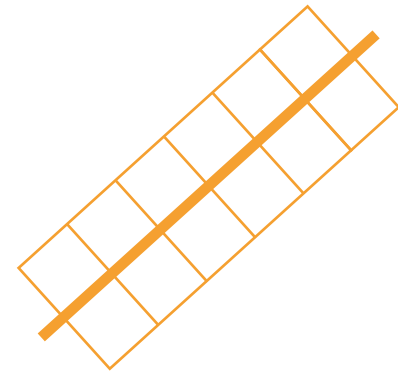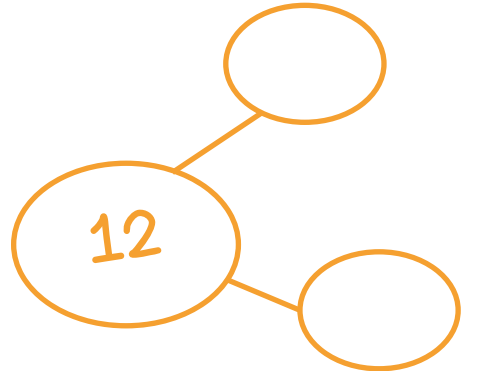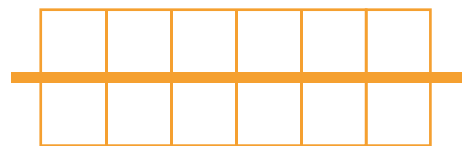
$6 \times 2 = 6 + \square$
$= \square$

$6 \times 2 = 6 \times \square + 6 \times \square$
$= \square + \square$
$= \square$

Double $6 = \square$

12
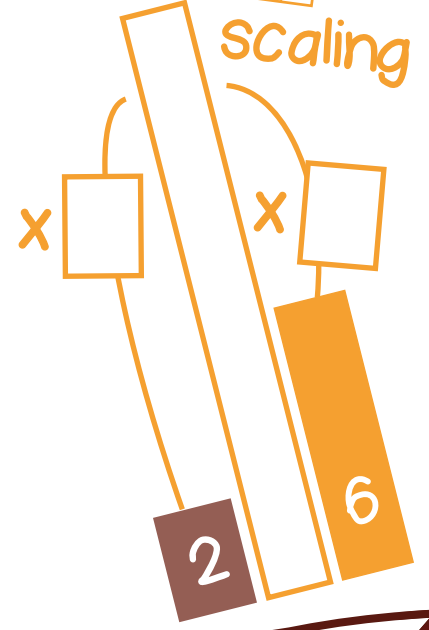
If I know $6 \times 2 = 12$ then I also know...

$\square \times \square = 12$

$12 = \square \times \square$

$12 = \square \times \square$

$\square \div \square = \square$

$\square = \square \div \square$

__ multiplied by __ is __

__ groups of __ is __

__ shared equally between 6 is __each

__ put into groups of 6 is __ groups of 6

__ and __ are factors of __

__ is a multiple of __ and __

6   2
12

$60 = \square \div 2$

$120 = \square \times 2$

$20 = \square \div 60$

$\square \times 6 = 1200$

$\frac{1}{6}$ of $\square = 2$

$20 \times 60 = 120$
True or false?

Drew has 6 pet rabbits. Harry has twice as many. How many pet rabbits has Harry?

How many sides are there on two hexagons?

Six runners run a **total** of 1200km for charity. They **each** run the same distance. How far do they **each** run?

Alan sells computer games for £60 **each**. If he earns £1200, how many games has he sold **altogether**?

www.buzzardpublishing.com