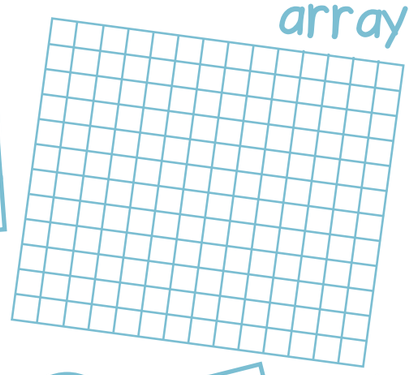
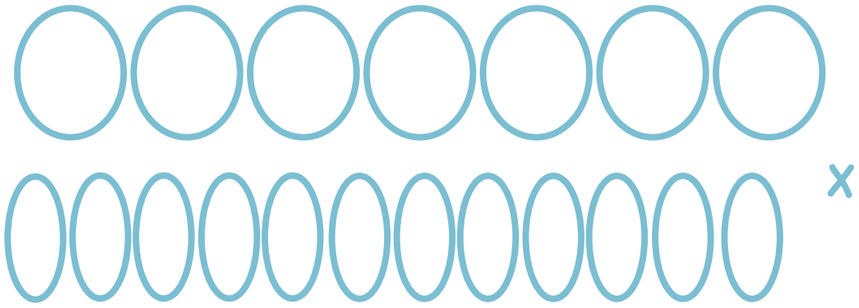
Draw it

bar

array

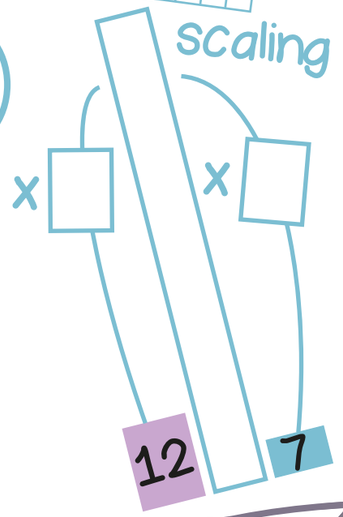


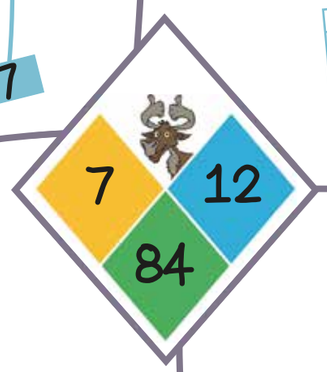
groups



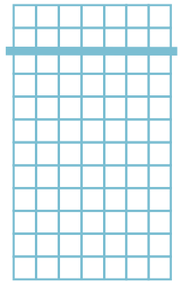
number line

scaling





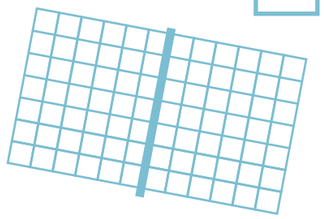
Dissect it



$7 \times 12 = 7 \times \square + 7 \times \square$

$= \square + \square$

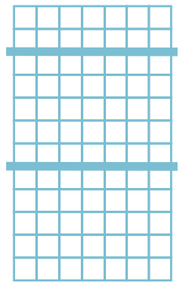
$= \square$



$7 \times 12 = 7 \times \square + 7 \times \square$

$= \square + \square$

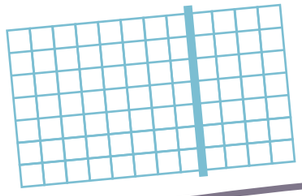
$= \square$



$7 \times 12 = 7 \times \square + 7 \times \square + 7 \times \square$

$= \square + \square + \square$

$= \square$



$7 \times 12 = 7 \times \square + 7 \times \square$

$= \square + \square$

$= \square$

If I know $7 \times 12 = 84$ then I also know...

$\square \times \square = 84$

$84 = \square \times \square$

$84 = \square \times \square$

$\square \div \square = \square$

$\square = \square \div \square$

__ multiplied by __ is __

__ groups of __ is __

__ shared equally between 7 is __ each

__ put into groups of 7 is __ groups of 7

__ and __ are factors of __

__ is a multiple of __ and __

$70 = \square \div 12$

$8400 = \square \times 12$

$12 = \square \div 70$

$\square \times 7 = 840$

$\frac{1}{7}$ of $\square = 12$

True or false?

$7 \times 12 = 7 \times 2 + 7 \times 10$

How much does Thomas earn **each** month if he earns £8400 a year?

Each bag of carrots weighs 7kg. How many bags can be filled with 840kg of carrots?

Kiran jogs 12km a day for a week. How far does she jog **altogether**?

Each side of a heptagon (7 sided shape) is 120mm. What is the perimeter?

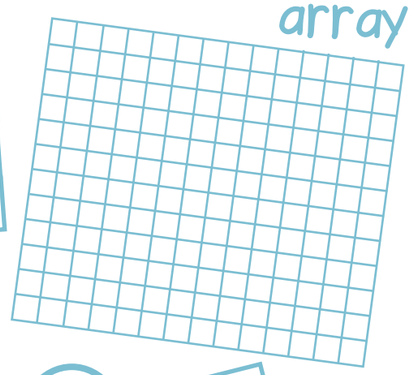
Derive it

Deepen it

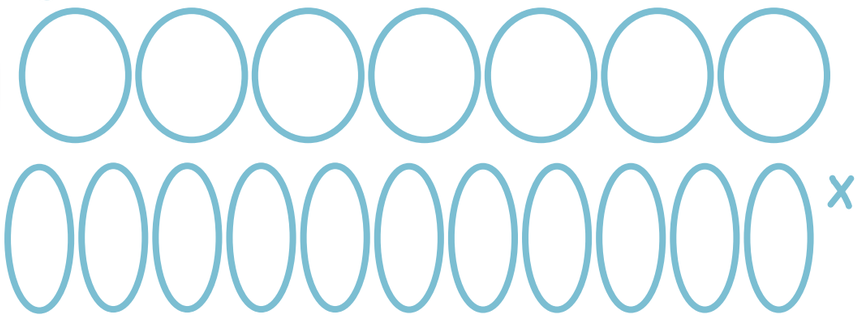
Draw it

bar

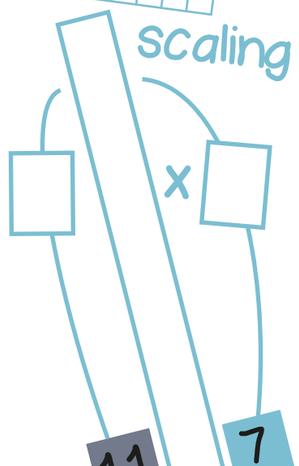
array



groups

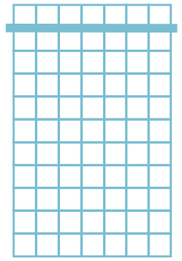


scaling



number line

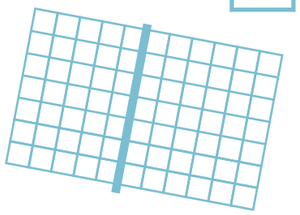
Dissect it



$7 \times 11 = 7 \times \square + 7 \times \square$

$= \square + \square$

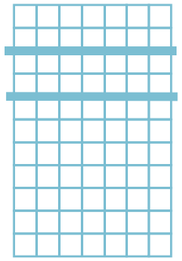
$= \square$



$7 \times 11 = 7 \times \square + 7 \times \square$

$= \square + \square$

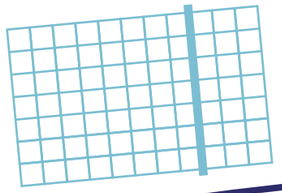
$= \square$



$7 \times 11 = 7 \times \square + 7 \times \square + 7 \times \square$

$= \square + \square + \square$

$= \square$



$7 \times 11 = 7 \times \square + 7 \times \square$

$= \square + \square$

$= \square$

If I know $7 \times 11 = 77$ then I also know...

$\square \times \square = 77$

$77 = \square \times \square$

$77 = \square \times \square$

$\square \div \square = \square$

$\square = \square \div \square$

__ multiplied by __ is __

__ groups of __ is __

__ shared equally between 7 is __ each

__ put into groups of 7 is __ groups of 7

__ and __ are factors of __

__ is a multiple of __ and __

$70 = \square \div 11$

$7700 = \square \times 11$

$11 = \square \div 70$

$\square \times 7 = 770$

$\frac{1}{7}$ of $\square = 11$

True or false?

$77 \div 7 = 70 \div 7 + 7 \div 7$

Eleven footballers **each** pay £70 for their new shirts. How much do the shirts cost **altogether**?

Mandy buys 11 snacks for £7.70 How much was **each** snack?

A decorator earns £110 for **each** ceiling he paints. How many ceilings does he paint to earn £770?

A salesman travels the same distance **each** day for 7 days. He travels 770 miles **in total**. How many miles does he travel **each** day?

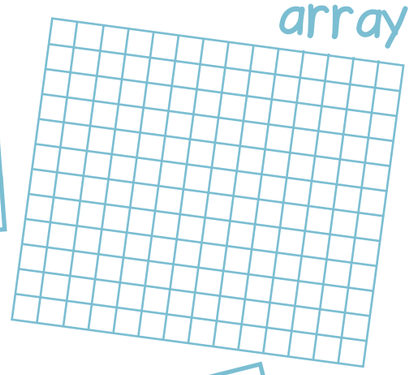
Derive it

Deepen it

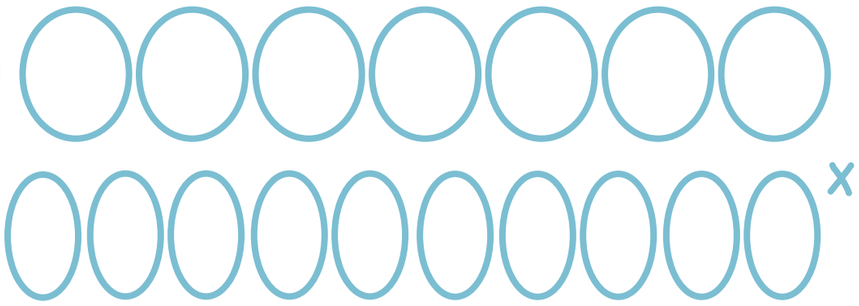
Draw it

bar

array

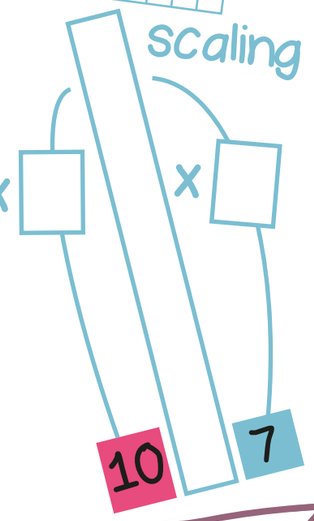


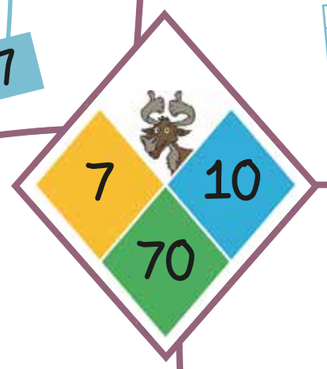
groups



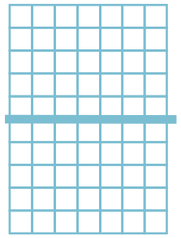
number line

scaling





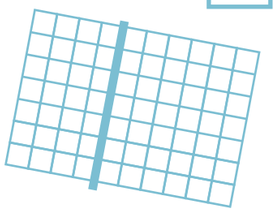
Dissect it



$7 \times 10 = 7 \times \square + 7 \times \square$

$= \square + \square$

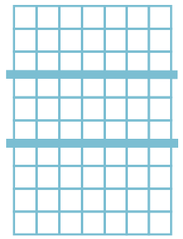
$= \square$



$7 \times 10 = 7 \times \square + 7 \times \square$

$= \square + \square$

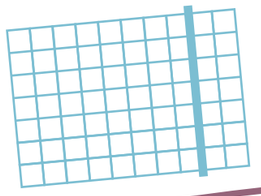
$= \square$



$7 \times 10 = 7 \times \square + 7 \times \square + 7 \times \square$

$= \square + \square + \square$

$= \square$



$7 \times 10 = 7 \times \square + 7 \times \square$

$= \square + \square$

$= \square$

If I know $7 \times 10 = 70$ then I also know...

$\square \times \square = 70$

$70 = \square \times \square$

$70 = \square \times \square$

$\square \div \square = \square$

$\square = \square \div \square$

__ multiplied by __ is __

__ groups of __ is __

__ shared equally between 7 is __ each

__ put into groups of 7 is __ groups of 7

__ and __ are factors of __

__ is a multiple of __ and __

$70 = \square \div 10$

$7000 = \square \times 10$

$10 = \square \div 70$

$\square \times 7 = 700$

$\frac{1}{7}$ of $\square = 100$

True or false?

$700 \div 70 = 70 \div 7$

Colin has saved seventy 10p coins. How much money has he saved?

Bill travels 100km per day for a week. How far has he travelled **altogether**?

Iris spends a seventh of her £700 on a day trip. How much does she spend on her trip?

A gardener has 700 plants to plant. He arranges them in rows of 70. How many rows are there **in total**?

Derive it

Deepen it

Draw it

bar

63

array

groups

○○○○○○○○○
○○○○○○○○○

x

scaling

x

9 7

number line

0 63

Dissect it

$7 \times 9 = 7 \times \square + 7 \times \square$

$= \square + \square$

$= \square$

$7 \times 9 = 7 \times \square + 7 \times \square$

$= \square + \square$

$= \square$

$7 \times 9 = 7 \times \square + 7 \times \square + 7 \times \square$

$= \square + \square + \square$

$= \square$

$7 \times 9 = 7 \times \square + 7 \times \square$

$= \square + \square$

$= \square$

7 9 63

If I know 7 x 9 = 63 then I also know...

$\square \times \square = 63$

$63 = \square \times \square$

$63 = \square \times \square$

$\square \div \square = \square$

$\square = \square \div \square$

__ multiplied by __ is __

__ groups of __ is __

__ shared equally between 7 is __ each

__ put into groups of 7 is __ groups of 7

__ and __ are factors of __

__ is a multiple of __ and __

Derive it

$70 = \square \div 9$

$6300 = \square \times 9$

$9 = \square \div 70$

$\square \times 7 = 630$

$\frac{1}{7}$ of $\square = 90$

True or false?
$630 \div 7 = 90$

70 beads are threaded on **each** necklace. 630 beads are used. How many necklaces are there?

Derek buys 7 pieces of fruit for 90p each. How much does the fruit cost **in total**?

John saves £90 per month for 7 months. How much has he saved **altogether**?

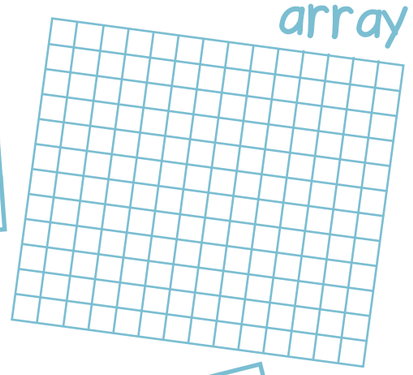
A band of seven players gets paid £6300. They split it equally. How much do they **each** receive?

Deepen it

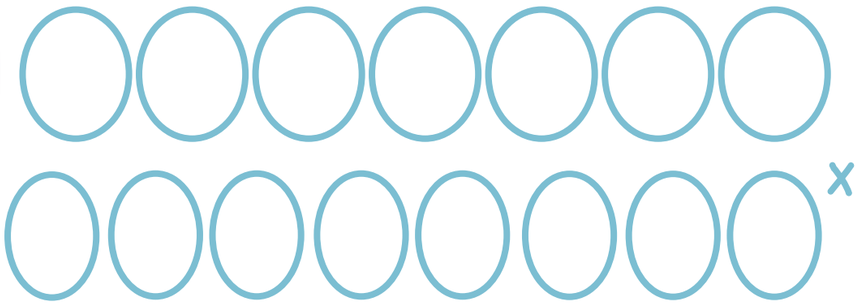
Draw it

bar

array

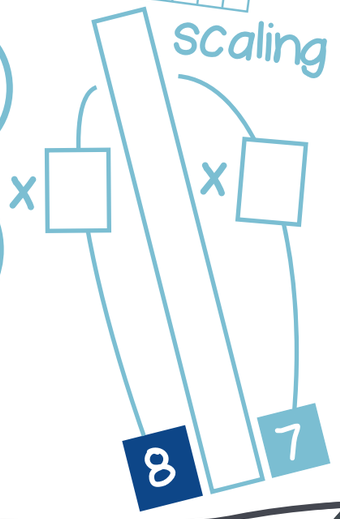


groups

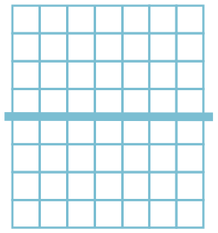


number line

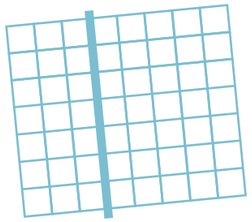
scaling



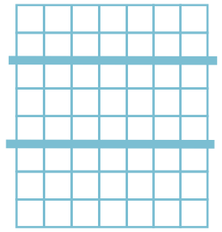
Dissect it



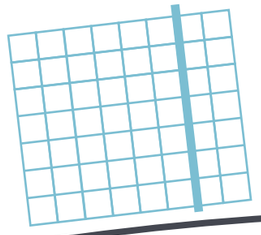
$7 \times 8 = 7 \times \square + 7 \times \square$
$= \square + \square$
$= \square$



$7 \times 8 = 7 \times \square + 7 \times \square$
$= \square + \square$
$= \square$



$7 \times 8 = 7 \times \square + 7 \times \square + 7 \times \square$
$= \square + \square + \square$
$= \square$



$7 \times 8 = 7 \times \square + 7 \times \square$
$= \square + \square$
$= \square$

If I know $7 \times 8 = 56$ then I also know...

$\square \times \square = 56$

$56 = \square \times \square$

$56 = \square \times \square$

$\square \div \square = \square$

$\square = \square \div \square$

__ multiplied by __ is __

__ groups of __ is __

__ shared equally between 7 is __ each

__ put into groups of 7 is __ groups of 7

__ and __ are factors of __

__ is a multiple of __ and __

$70 = \square \div 80$

$560 = \square \times 7$

$8 = \square \div 70$

$\square \times 7 = 5600$

$\frac{1}{7}$ of $\square = 80$

True or false?
$560 \div 70 = 80$

Harry buys 8 chews for 70p **each**. How much do they cost **altogether**?

Jill pays a **total** of £560 for seven nights in a hotel. How much did **each** night cost?

A delivery route is 70km. After travelling the route 8 times, how far has the van travelled **in total**?

A furniture salesman sells 7 sofas for a **total** of £5600. How much did **each** sofa cost?

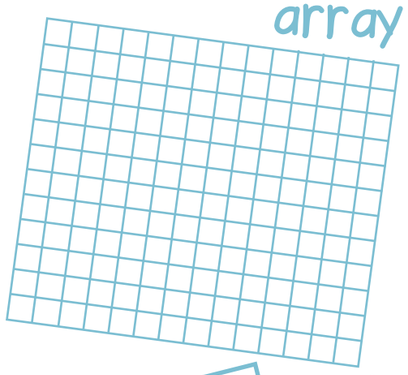
Derive it

Deepen it

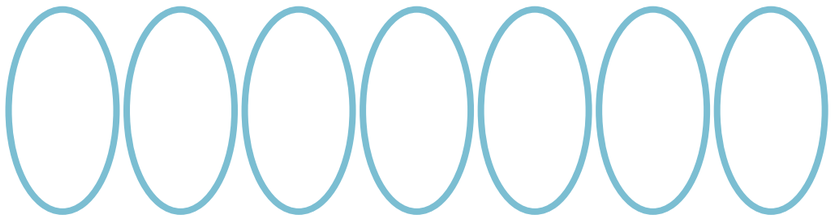
Draw it

bar

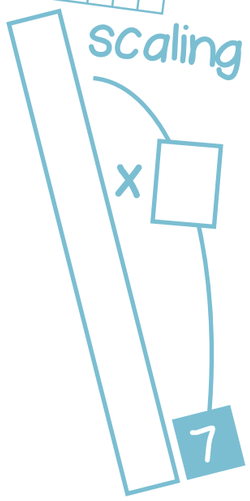
array



groups

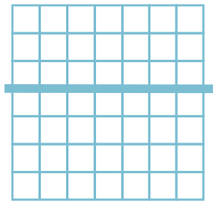


scaling



number line

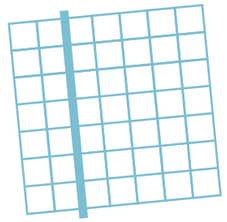
Dissect it



$7 \times 7 = 7 \times \square + 7 \times \square$

$= \square + \square$

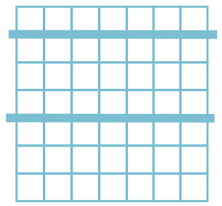
$= \square$



$7 \times 7 = 7 \times \square + 7 \times \square$

$= \square + \square$

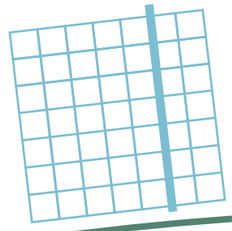
$= \square$



$7 \times 7 = 7 \times \square + 7 \times \square + 7 \times \square$

$= \square + \square + \square$

$= \square$



$7 \times 7 = 7 \times \square + 7 \times \square$

$= \square + \square$

$= \square$

If I know $7 \times 7 = 49$ then I also know...

$\square \times \square = 49$

$49 = \square \times \square$

$\square \div \square = \square$

$\square = \square \div \square$

__ multiplied by __ is __

__ groups of __ is __

__ shared equally between 7 is __ each

__ put into groups of 7 is __ groups of 7

__ is a factor of __

__ is a multiple of __

$70 = \square \div 70$

$490 = \square \times 7$

$7 = \square \div 70$

$\square \times 7 = 4900$

$\frac{1}{7}$ of $\square = 70$

True or false?

$490 \div 70 = 70$

Suzanne cycles the same distance **each** day for a week. If she cycles 490km **in total**, how far does she cycle **each** day?

Each of the seven dwarves digs 700kg of rock from the mine. What is the **total** weight of rock they dig?

Each bag of crisps weighs 70g. How many bags can be filled from 4900g of crisps?

Each box holds 70 party biscuits. Boxes are stacked in 70s. How many party biscuits in a stack?

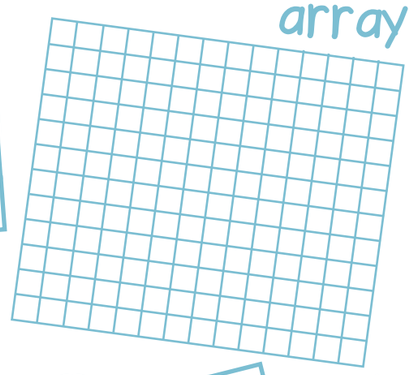
Derive it

Deepen it

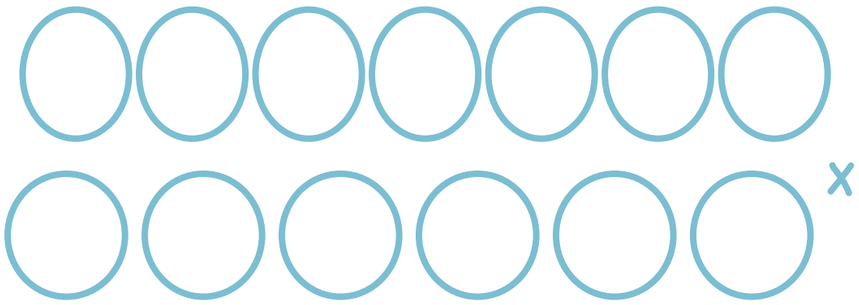
Draw it

bar

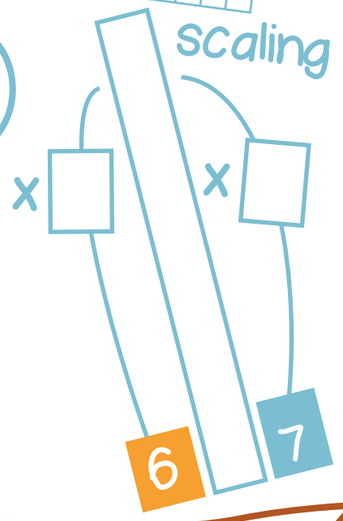
array



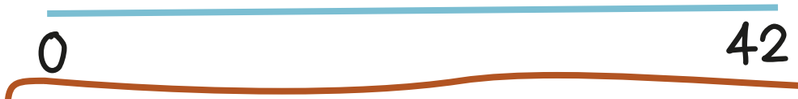
groups



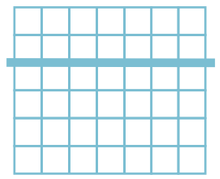
scaling



number line



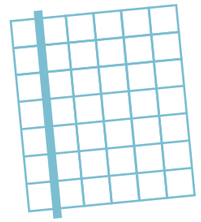
Dissect it



$7 \times 6 = 7 \times \square + 7 \times \square$

$= \square + \square$

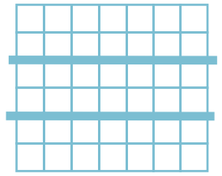
$= \square$



$7 \times 6 = 7 \times \square + 7 \times \square$

$= \square + \square$

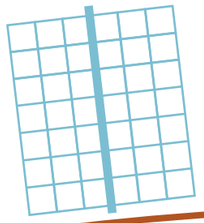
$= \square$



$7 \times 6 = 7 \times \square + 7 \times \square + 7 \times \square$

$= \square + \square + \square$

$= \square$



$7 \times 6 = 7 \times \square + 7 \times \square$

$= \square + \square$

$= \square$

Derive it

If I know $7 \times 6 = 42$ then I also know...

$\square \times \square = 42$

$42 = \square \times \square$

$42 = \square \times \square$

$\square \div \square = \square$

$\square = \square \div \square$

__ multiplied by __ is __

__ groups of __ is __

__ shared equally between 7 is __ each

__ put into groups of 7 is __ groups of 7

__ and __ are factors of __

__ is a multiple of __ and __

$70 = \square \div 60$

$4200 = \square \times 7$

$6 = \square \div 70$

$\square \times 7 = 420$

$\frac{1}{7}$ of $\square = 60$

True or false?
$60 \times 70 = 420$

It costs Grannie £70 per dog when she goes on holiday. She has 6 dogs. What is the **total** cost for the dogs?

A busy train has 420 passengers. They are equally divided between 7 carriages. How many are in **each** carriage?

How many minutes are there in seven hours?

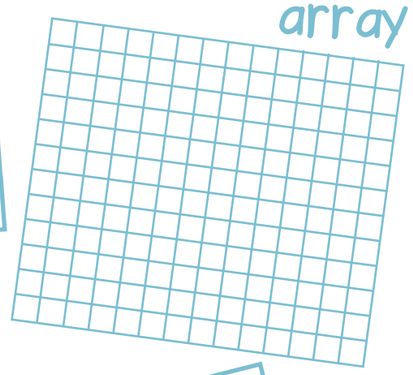
A singer earns £4200 for 7 concerts. How much did she earn for **each** concert?

Deepen it

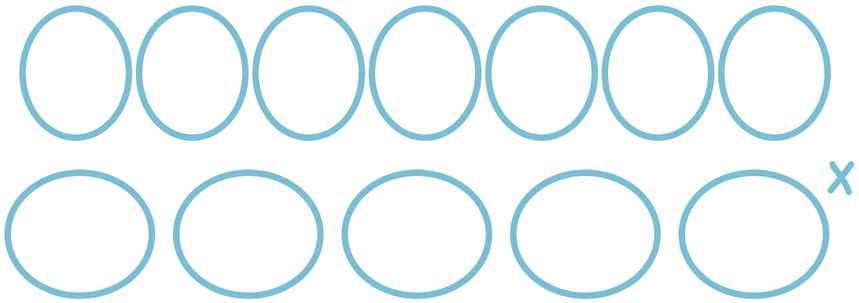
Draw it

bar

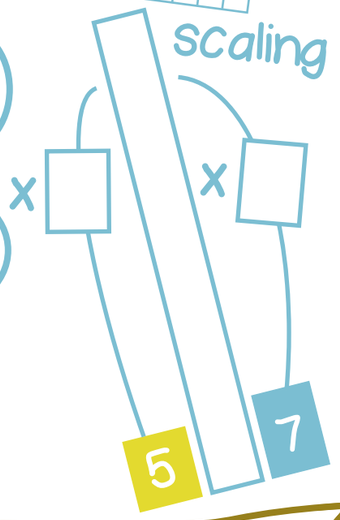
array



groups

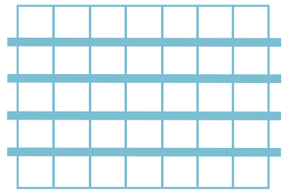


scaling



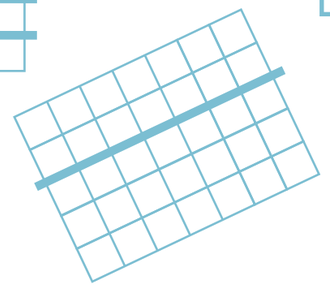
number line

Dissect it



$7 \times 5 = 7 + \square + 7 + \square + \square$

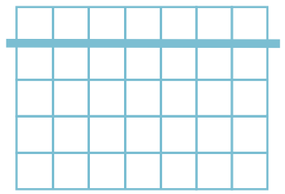
$= \square$



$7 \times 6 = 7 \times \square + 7 \times \square$

$= \square + \square$

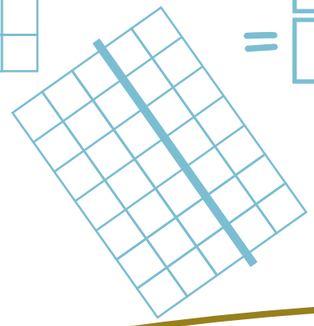
$= \square$



$7 \times 6 = 7 \times \square + 7 \times \square + 7 \times \square$

$= \square + \square + \square$

$= \square$



$7 \times 6 = 7 \times \square + 7 \times \square$

$= \square + \square$

$= \square$

If I know $7 \times 5 = 35$ then I also know...

$\square \times \square = 35$

$35 = \square \times \square$

$35 = \square \times \square$

$\square \div \square = \square$

$\square = \square \div \square$

__ multiplied by __ is __

__ groups of __ is __

__ shared equally between 7 is __ each

__ put into groups of 7 is __ groups of 7

__ and __ are factors of __

__ is a multiple of __ and __

$70 = \square \div 50$

$3500 = \square \times 7$

$5 = \square \div 70$

$\square \times 7 = 350$

$\frac{1}{7}$ of $\square = 70$

True or false?

$70 \times 50 = 700 \times 5$

Each side of a pentagon is 70mm. What is the perimeter?

Roger has collected seventy 50p coins. How much money has he collected?

Quinn cycles 50km per day for a week. How far has he cycled **in total**?

Seven plumbers receive £3500 for a job. They share it equally. How much do they **each** receive?

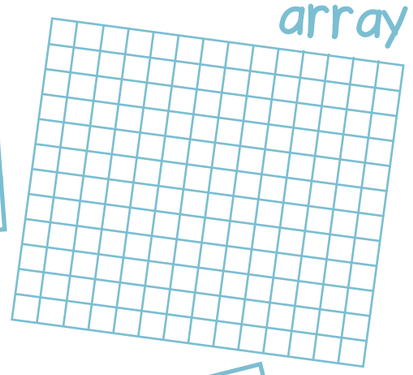
Derive it

Deepen it

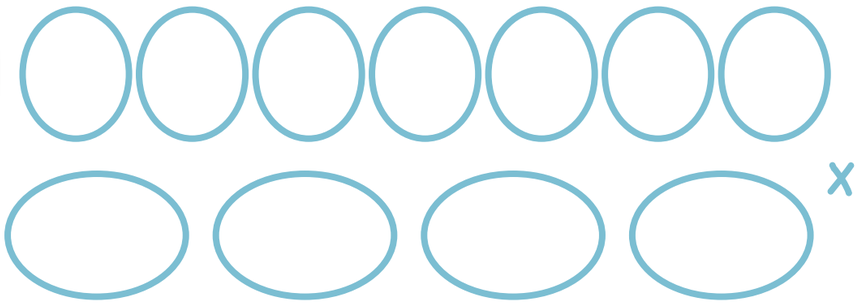
Draw it

bar

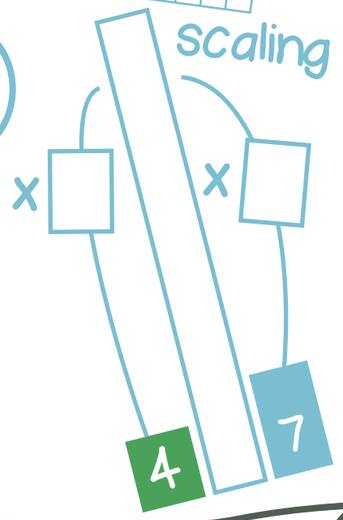
array



groups

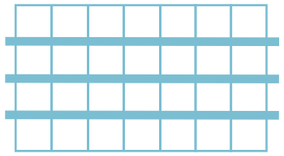


scaling



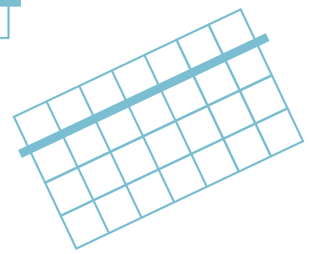
number line

Dissect it



$7 \times 4 = 7 + \square + 7 + \square$

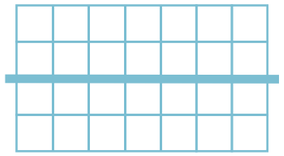
$= \square$



$7 \times 4 = 7 \times \square + 7 \times \square$

$= \square + \square$

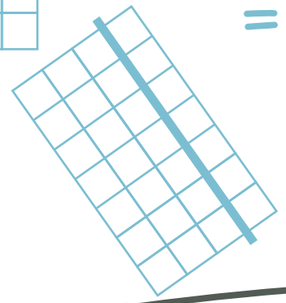
$= \square$



$7 \times 4 = 7 \times \square + 7 \times \square + 7 \times \square$

$= \square + \square + \square$

$= \square$



$7 \times 4 = 7 \times \square + 7 \times \square$

$= \square + \square$

$= \square$

If I know $7 \times 4 = 28$ then I also know...

$\square \times \square = 28$

$28 = \square \times \square$

$28 = \square \times \square$

$\square \div \square = \square$

$\square = \square \div \square$

__ multiplied by __ is __

__ groups of __ is __

__ shared equally between 7 is __ each

__ put into groups of 7 is __ groups of 7

__ and __ are factors of __

__ is a multiple of __ and __

$70 = \square \div 4$

$2800 = \square \times 7$

$4 = \square \div 700$

$\square \times 7 = 280$

$\frac{1}{7}$ of $\square = 40$

$4 \div 28 = 7$

True or false?

How many sides do 70 rectangles have **in total**?

£2800 is divided equally between seven workers. How much does **each** worker receive?

A Great Dane weighs 40kg. How much would 7 Great Danes weigh?

2800 people sit in rows of 70 in a stadium. How many rows do they fill?

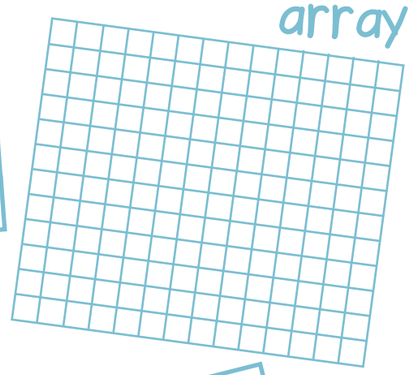
Derive it

Deepen it

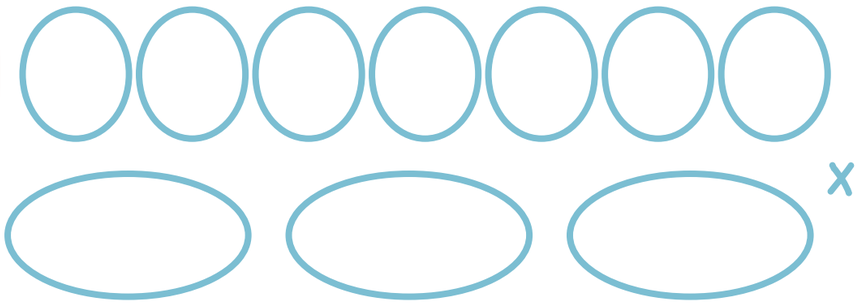
Draw it

bar

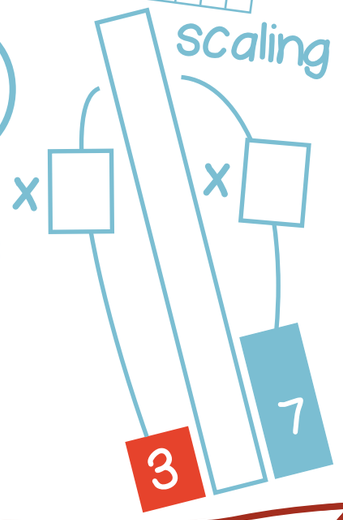
array



groups



scaling

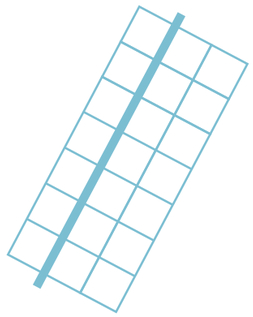


number line

Dissect it

7 x 3 = 7 + ☐ + ☐

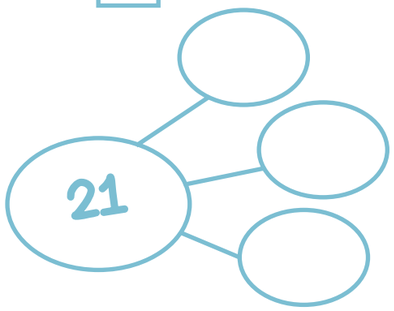
= ☐

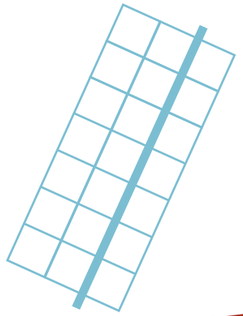


7 x 3 = 7 x ☐ + 7 x ☐

= ☐ + ☐

= ☐





7 x 3 = 7 x ☐ + 7 x ☐

= ☐ + ☐

= ☐

If I know 7 x 3 = 21 then I also know...

☐ x ☐ = 21

21 = ☐ x ☐

21 = ☐ x ☐

☐ ÷ ☐ = ☐

☐ = ☐ ÷ ☐

__ multiplied by __ is __

__ groups of __ is __

__ shared equally between 7 is __ each

__ put into groups of 7 is __ groups of 7

__ and __ are factors of __

__ is a multiple of __ and __

70 = ☐ ÷ 3

2100 = ☐ x 7

3 = ☐ ÷ 70

☐ x 7 = 210

$\frac{1}{7}$ of ☐ = 30

210 ÷ 30 = 7

True or false?

Each side of a triangle is 70mm. What is the perimeter of the triangle?

George drives 300km each day for a week. How far has he driven **in total**?

Dan earns the same amount **each** day for a week. He earns £210. How much did he earn **each** day?

A team trip costs **each** member £70. The total cost of the trip is £2100. How many members go on the trip?

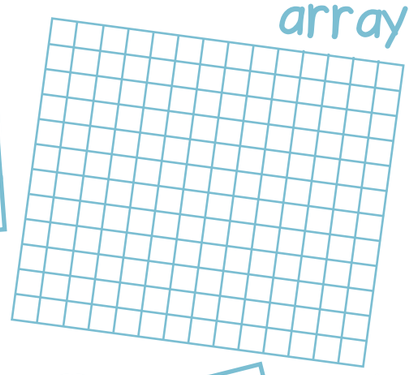
Derive it

Deepen it

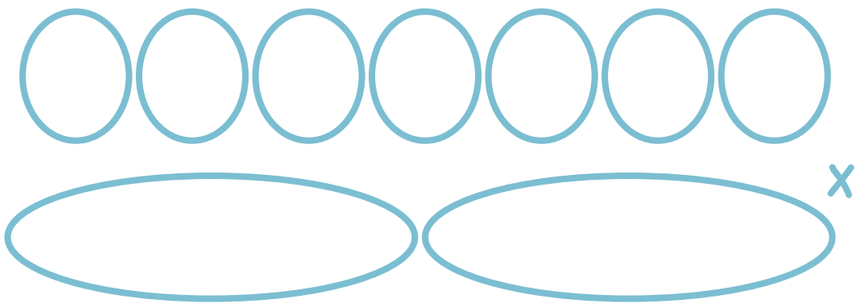
Draw it

bar

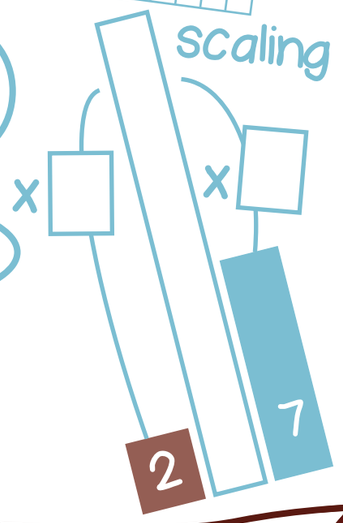
array



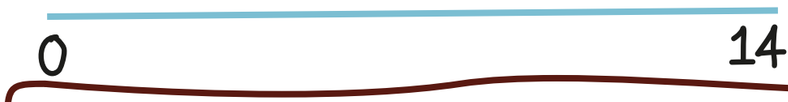
groups



scaling



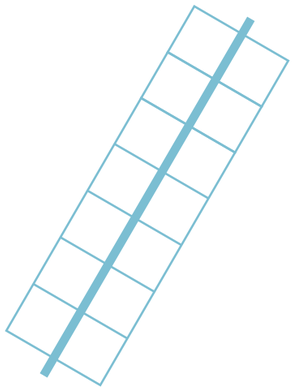
number line



Dissect it

$7 \times 2 = 7 + \square$

$= \square$

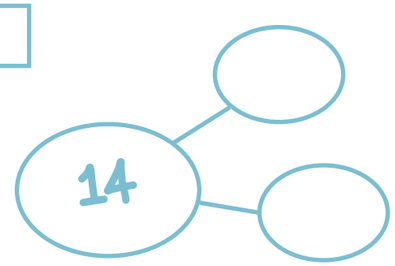


$7 \times 2 = 7 \times \square + 7 \times \square$

$= \square + \square$

$= \square$

double 7 = ☐



If I know 7 x 2 = 14 then I also know...

☐ x ☐ = 14

14 = ☐ x ☐

14 = ☐ x ☐

☐ ÷ ☐ = ☐

☐ = ☐ ÷ ☐

__ multiplied by __ is __

__ groups of __ is __

__ shared equally between 7 is __ each

__ put into groups of 7 is __ groups of 7

__ and __ are factors of __

__ is a multiple of __ and __

$70 = \square \div 2$

$1400 = \square \times 7$

$20 = \square \div 70$

$\square \times 7 = 140$

$\frac{1}{7}$ of $\square = 20$

Matt has collected 70 badges. Ro has collected twice as many. How many badges has Ro collected?

Ruby travels 140km in a week. She travels an equal number of km on **each** day. How far does she travel **each** day?

Two sides of a garden have 70m of fencing each. How much fencing is there altogether on the two sides?

What is half of 1400?

14 ÷ 7 = half of 14
True or false?

Derive it

Deepen it