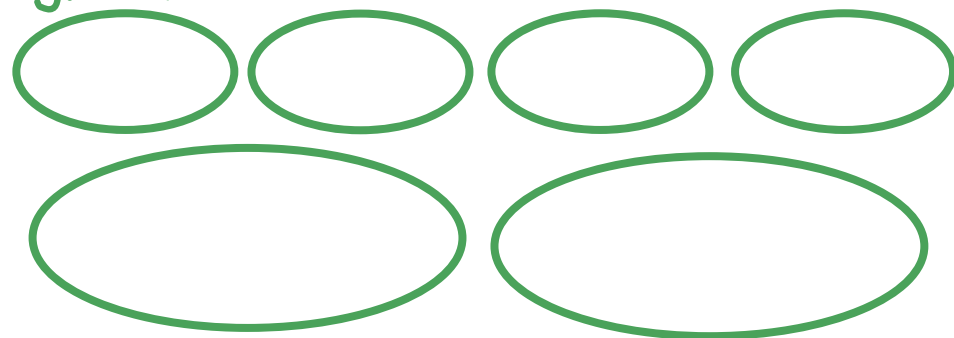


Draw it

bar



groups



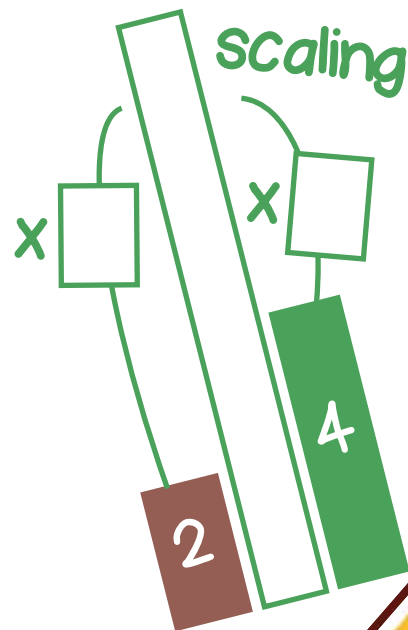
number line



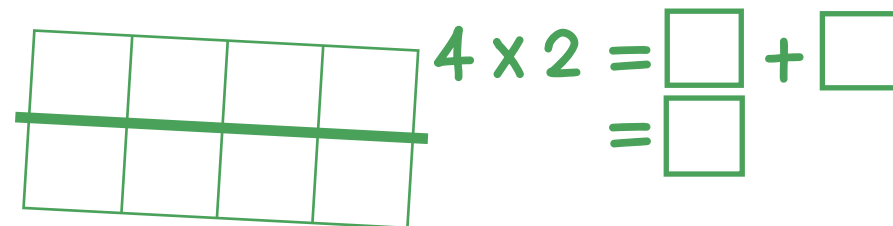
array



scaling

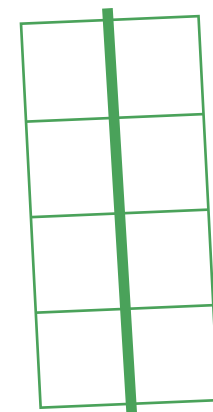


Dissect it



$$4 \times 2 = \square + \square$$

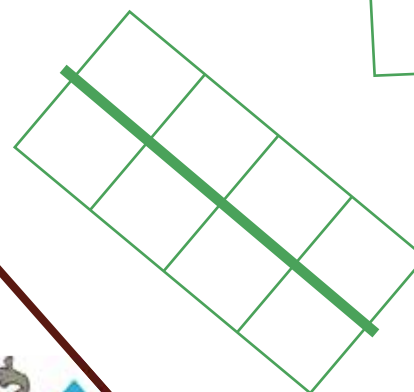
$$= \square$$



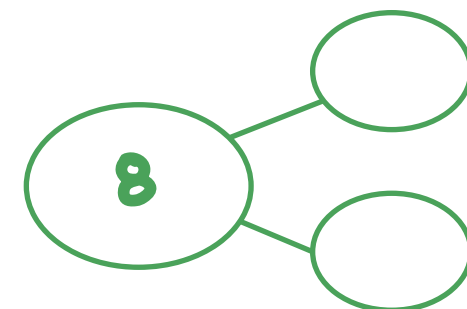
$$4 \times 2 = 4 \times \square + 4 \times \square$$

$$= \square + \square$$

$$= \square$$



$$\text{Double } 4 = \square$$



If I know $4 \times 2 = 8$ then I also know...

$$\square \times \square = 8$$

$$8 = \square \times \square$$

$$8 = \square \times \square$$

$$\square \div \square = \square$$

$$\square = \square \div \square$$

___ multiplied by ___ is ___

___ groups of ___ is ___

___ shared equally between 4 is ___ each

___ put into groups of 4 is ___ groups of 4

___ and ___ are factors of ___

___ is a multiple of ___ and ___



$$4 = \square \div 2$$

$$8 = \square \times 2$$

$$\frac{1}{4} \text{ of } \square = 2$$

$$\square \times 4 = 8$$



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

Dom draws two squares. How many right angles does he draw?

Fran has some cars. She gives half to her friend. She has 4 left. How many cars did she start with?

There are cows in a paddock. If there are 8 legs how many cows are there **in total**?

Each piece of ribbon is 4m long. How long will 2 pieces of ribbon be **altogether**?

Derive it

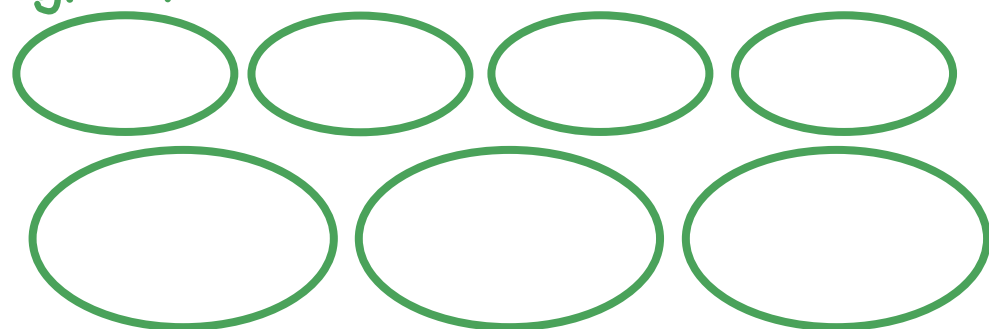
Deepen it

Draw it

bar



groups



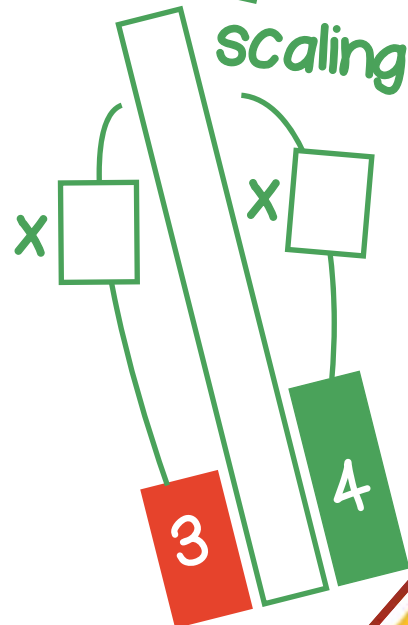
number line



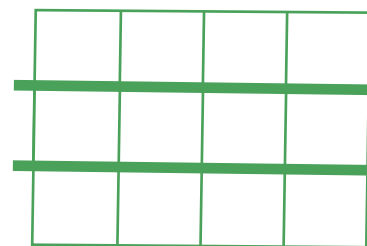
array



scaling

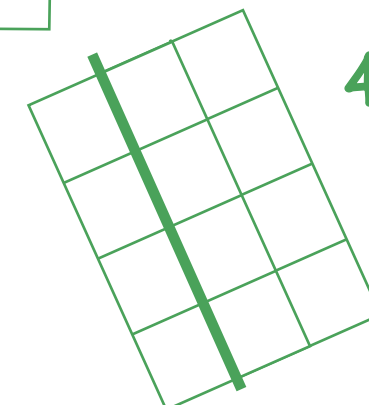


Dissect it



$$4 \times 3 = \square + \square + \square$$

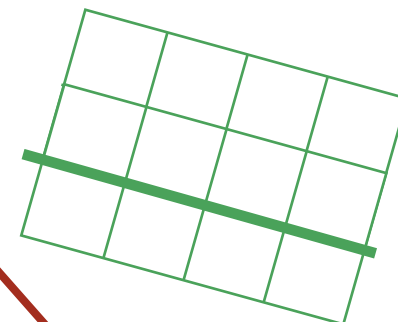
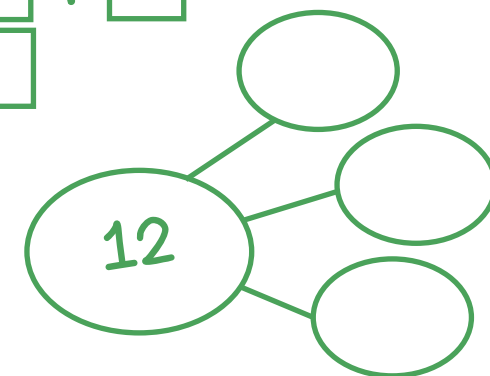
$$= \square$$



$$4 \times 3 = 4 \times \square + 4 \times \square$$

$$= \square + \square$$

$$= \square$$



$$4 \times 3 = 4 \times \square + 4 \times \square$$

$$= \square + \square$$

$$= \square$$



If I know $4 \times 3 = 12$ 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 4 is ___ each

___ put into groups of 4 is ___ groups of 4

___ and ___ are factors of ___

___ is a multiple of ___ and ___



$$4 = \square \div 3$$

$$12 = \square \times 3$$

$$\frac{1}{4} \text{ of } \square = 3$$

$$\square \times 4 = 12$$



$4 \div 12 = 3$
True or false?

There are three cars. **Each** car has 4 wheels. How many wheels are there **in total**?

Each dinosaur has 4 legs. If there are 12 dinosaur legs how many dinosaurs are there **altogether**?

A rope is 12 metres long. It is cut into 4 equal pieces. How long is **each** piece?

Books cost £4 **each**. Jack buys three books. How much do they cost **altogether**?

Derive it

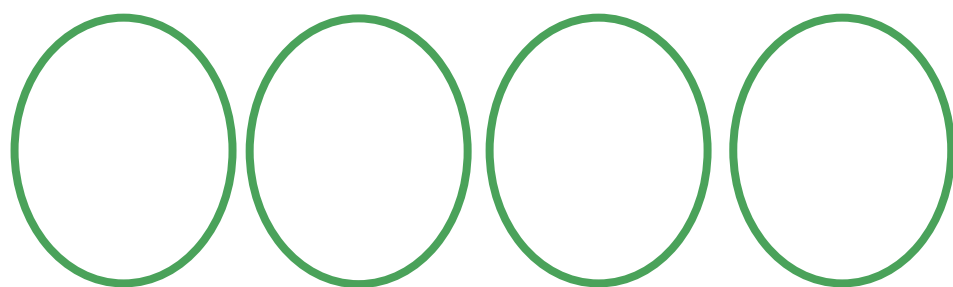
Deepen it

Draw it

bar



groups



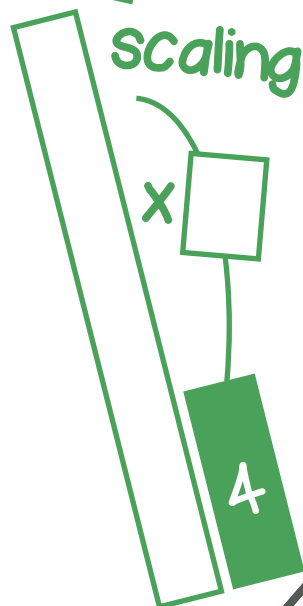
number line



array



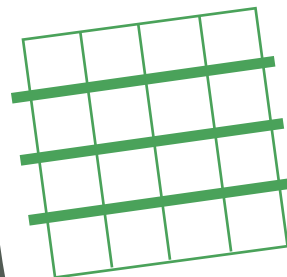
scaling



Dissect it

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

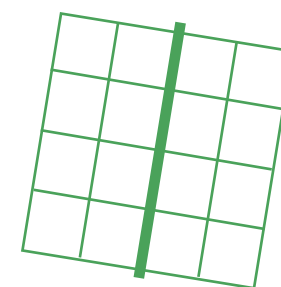
$$= \square$$



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

$$= \square + \square$$

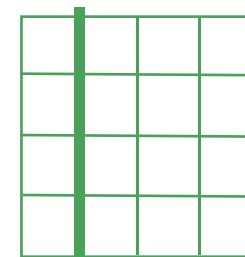
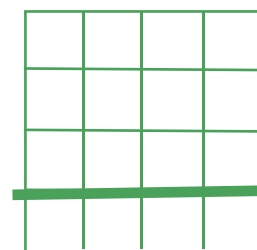
$$= \square$$



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

$$= \square + \square$$

$$= \square$$



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

$$= \square + \square$$

$$= \square$$



If I know $4 \times 4 = 16$ then I also know...

$$\square \times \square = 16$$

$$16 = \square \times \square$$

$$\square \div \square = \square$$

$$\square = \square \div \square$$

___ multiplied by ___ is ___

___ groups of ___ is ___

Lorem ipsum

___ shared equally between 4 is ___ each

___ put into groups of 4 is ___ groups of 4

___ and ___ are factors of ___

___ is a multiple of ___ and ___



$$4 = \square \div 4$$

$$16 = \square \times 4$$

$$\frac{1}{4} \text{ of } \square = 4$$

$$\square \times 4 = 16$$

If you draw 4 squares how many equal sides will you draw **altogether**?

Seb spends a quarter of his money on a book. He spends £4. How money did he start with?

Each bag of apples weighs 4kg. How many bags can be filled with 16kg of apples?

Zac jogs 4km **each** day for 4 days. How far has he jogged **in total**?



$4 \times 4 = 2 \times 8$
True or false?

Derive it

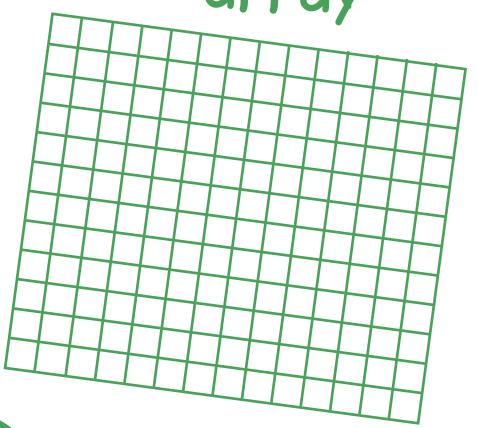
Deepen it

Draw it

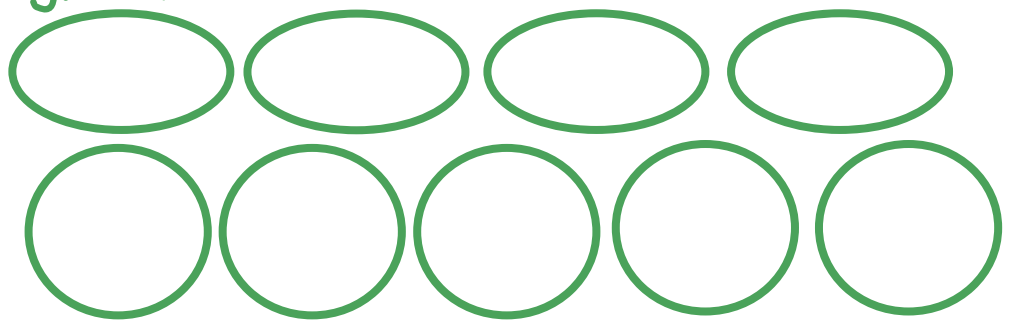
bar



array



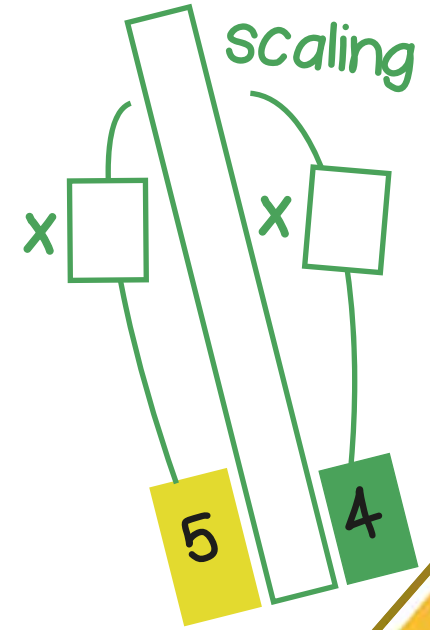
groups



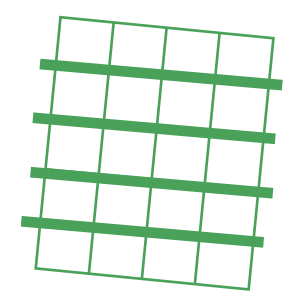
number line



scaling

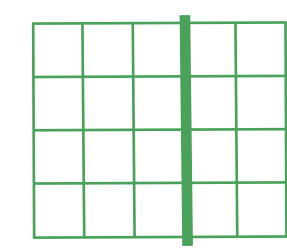


Dissect it



$$4 \times 5 = \square + \square + \square + \square + \square$$

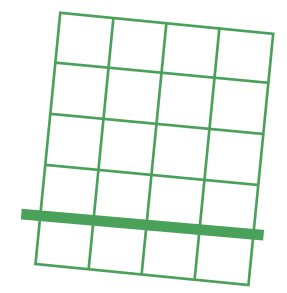
$$= \square$$



$$4 \times 5 = 4 \times \square + 4 \times \square$$

$$= \square + \square$$

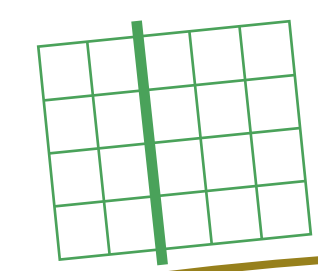
$$= \square$$



$$4 \times 5 = 4 \times \square + 4 \times \square$$

$$= \square + \square$$

$$= \square$$



$$4 \times 5 = 4 \times \square + 4 \times \square$$

$$= \square + \square$$

$$= \square$$



If I know $4 \times 5 = 20$ then I also know...

$$\square \times \square = 20$$

$$20 = \square \times \square$$

$$20 = \square \times \square$$

$$\square \div \square = \square$$

$$\square = \square \div \square$$

___ multiplied by ___ is ___

___ groups of ___ is ___

___ shared equally between 4 is ___ each

___ put into groups of 4 is ___ groups of 4

___ and ___ are factors of ___

___ is a multiple of ___ and ___



$$4 = \square \div 5$$

$$20 = \square \times 5$$

$$\frac{1}{4} \text{ of } \square = 5$$

$$\square \times 4 = 20$$



$4 \times 5 = 8 \times 10$
True or false?

There are four legs on each chair. How many legs are there on five chairs **altogether**?

20 people go on a trip. If there are four in **each** car, how many cars do they need?

The length of one side of a square is 5cm. What is the **total** length of all the sides?

20kg of carrots are divided equally between 4 bags. How many kilograms of carrots are in **each** bag?

Derive it

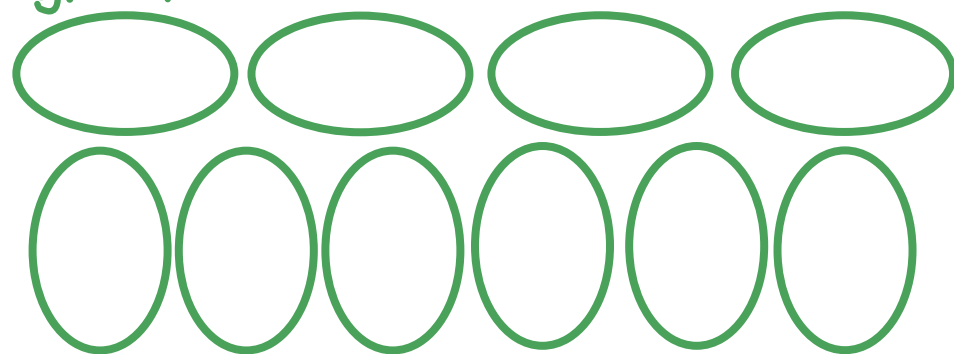
Deepen it

Draw it

bar



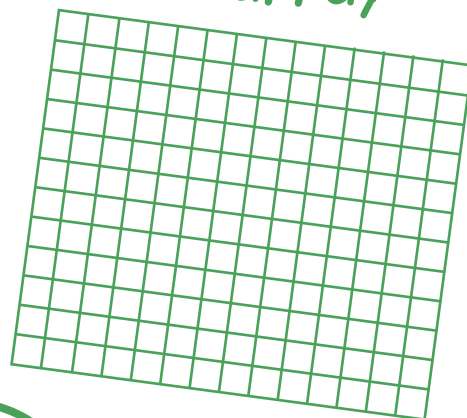
groups



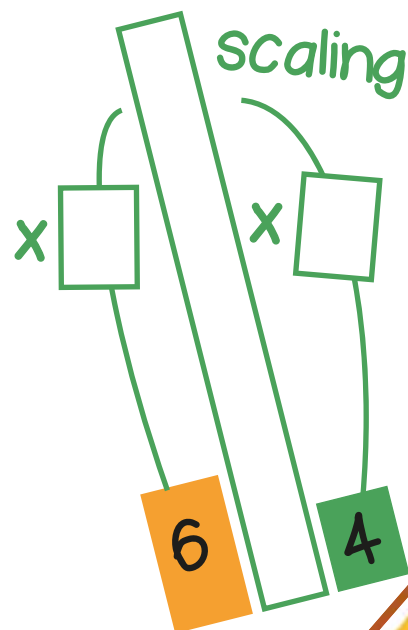
number line



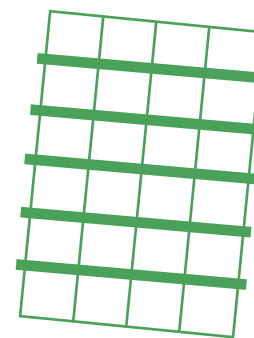
array



scaling

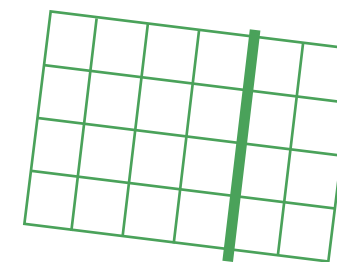


Dissect it



$$4 \times 6 = \square + \square + \square + \square + \square + \square$$

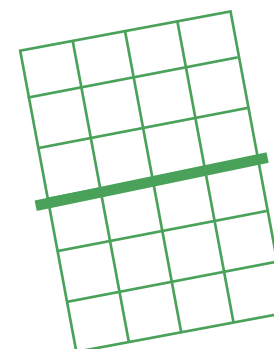
$$= \square$$



$$4 \times 6 = 4 \times \square + 4 \times \square$$

$$= \square + \square$$

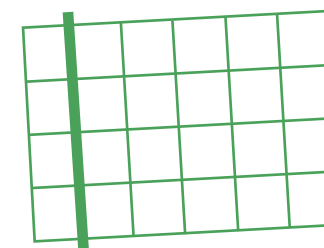
$$= \square$$



$$4 \times 6 = 4 \times \square + 4 \times \square$$

$$= \square + \square$$

$$= \square$$



$$4 \times 6 = 4 \times \square + 4 \times \square$$

$$= \square + \square$$

$$= \square$$



If I know $4 \times 6 = 24$ then I also know...

$$\square \times \square = 24$$

$$24 = \square \times \square$$

$$24 = \square \times \square$$

$$\square \div \square = \square$$

$$\square = \square \div \square$$

___ multiplied by ___ is ___

___ groups of ___ is ___

___ shared equally between 4 is ___ each

___ put into groups of 4 is ___ groups of 4

___ and ___ are factors of ___

___ is a multiple of ___ and ___



$$4 = \square \div 6$$

$$24 = \square \times 4$$

$$\frac{1}{4} \text{ of } \square = 6$$

$$\square \times 6 = 24$$



$4 \div 24 = 6$
True or false?

There are six squares. How many sides are there **in total**?

24 eggs are shared equally into four egg boxes. How many eggs are in **each** box?

There are 24 sheep's legs in a field. How many sheep are there?

Gill travels 1 mile in 4 minutes. At the same speed, how long will it take her to travel 6 miles?

Derive it

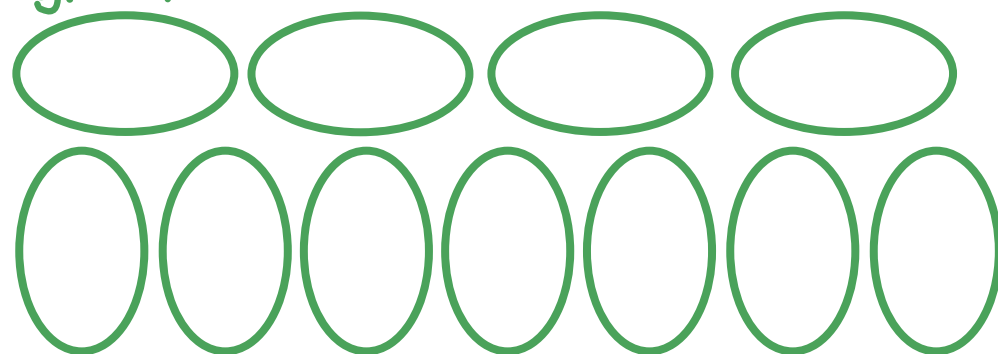
Deepen it

Draw it

bar



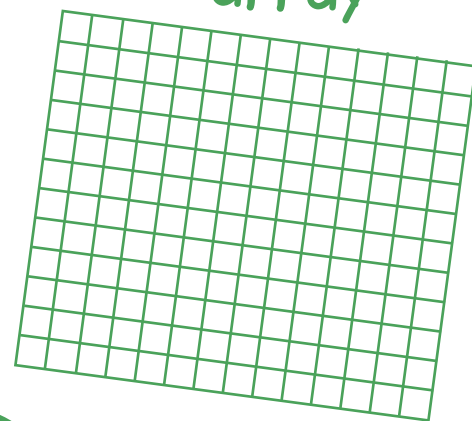
groups



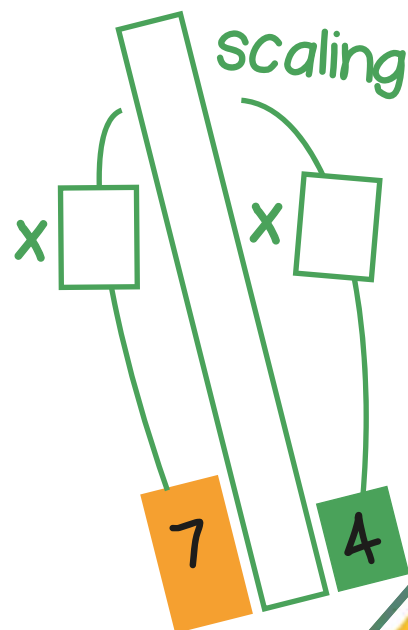
number line



array



scaling

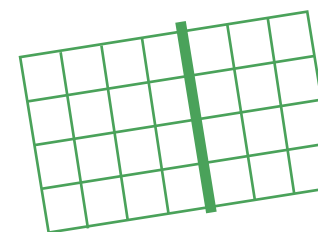
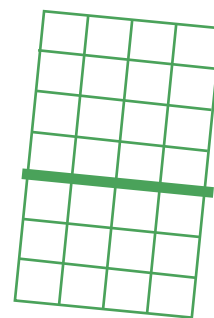


Dissect it

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

$$= \square + \square$$

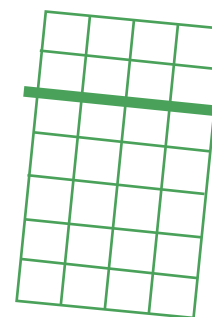
$$= \square$$



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

$$= \square + \square$$

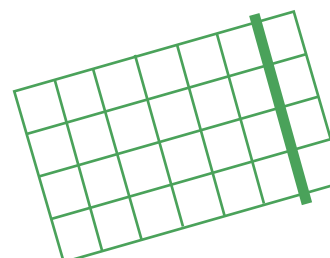
$$= \square$$



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

$$= \square + \square$$

$$= \square$$



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

$$= \square + \square$$

$$= \square$$



If I know $4 \times 7 = 28$ 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 4 is ___ each

___ put into groups of 4 is ___ groups of 4

___ and ___ are factors of ___

___ is a multiple of ___ and ___



$$4 = \square \div 7$$

$$28 = \square \times 4$$

$$\frac{1}{4} \text{ of } \square = 7$$

$$\square \times 7 = 28$$

28 children get into four equal netball teams. How many are in **each** team?

There are seven squares. How many sides are there **in total**?

Harry drinks four cups of coffee **each** day. How many cups of coffee does he drink in a week?

The farmer emptied a 28 litre barrel of water so that there were 4 litres in **each** bucket. How many buckets did he use **altogether**?



True or false?

$$4 \times 7 = 4 \times 4 + 3 \times 3$$

Derive it

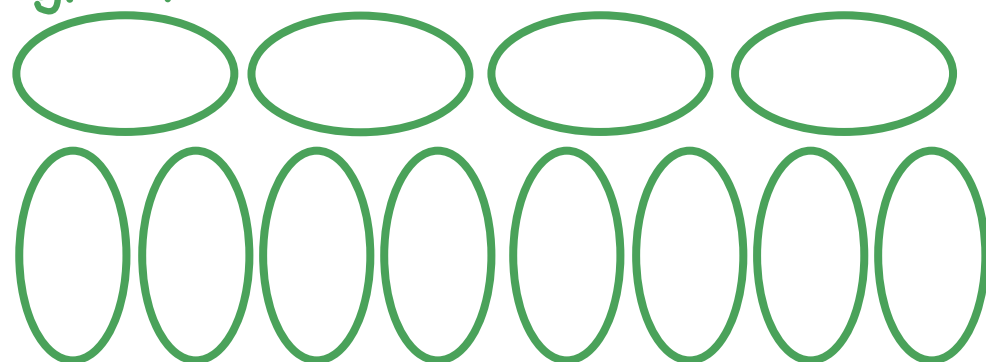
Deepen it

Draw it

bar



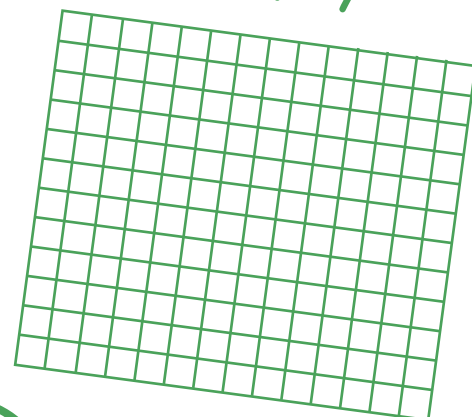
groups



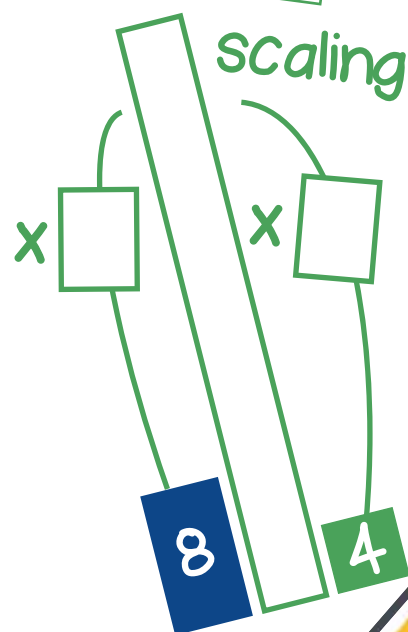
number line



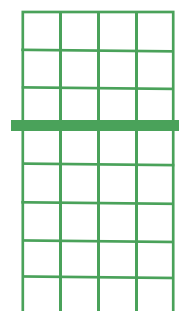
array



scaling



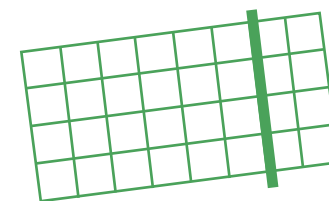
Dissect it



$$4 \times 8 = 4 \times \square + 4 \times \square$$

$$= \square + \square$$

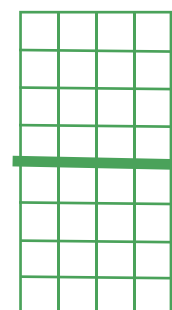
$$= \square$$



$$4 \times 8 = 4 \times \square + 4 \times \square$$

$$= \square + \square$$

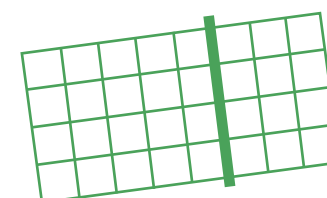
$$= \square$$



$$4 \times 8 = 4 \times \square + 4 \times \square$$

$$= \square + \square$$

$$= \square$$



$$4 \times 8 = 4 \times \square + 4 \times \square$$

$$= \square + \square$$

$$= \square$$



If I know $4 \times 8 = 32$ then I also know...

$$\square \times \square = 32$$

$$32 = \square \times \square$$

$$32 = \square \times \square$$

$$\square \div \square = \square$$

$$\square = \square \div \square$$

___ multiplied by ___ is ___

___ groups of ___ is ___

___ shared equally between 4 is ___ each

___ put into groups of 4 is ___ groups of 4

___ and ___ are factors of ___

___ is a multiple of ___ and ___



$$4 = \square \div 8$$

$$32 = \square \times 4$$

$$\frac{1}{4} \text{ of } \square = 8$$

$$\square \times 8 = 32$$

In a cinema 32 boys sit in 4 rows. The same number of boys sit in each row. How many sit in **each** row?

A vet counts 32 dogs' legs in his waiting room. How many dogs are there **altogether**?

Fairground tickets are £4 each. How much does it cost 8 girls to go to the fairground **in total**?

Each bag of parsnips weighs 4kg. How much will eight bags of parsnips weigh **altogether**?



$32 \div 4 = 32 \div 8$
True or false?

Derive it

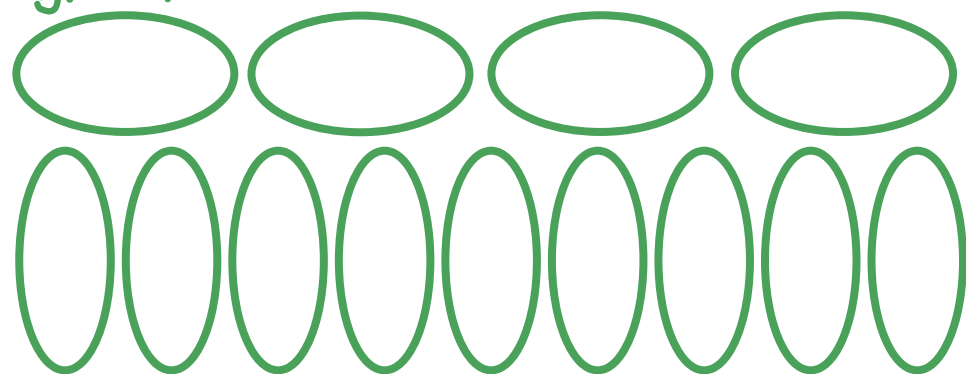
Deepen it

Draw it

bar



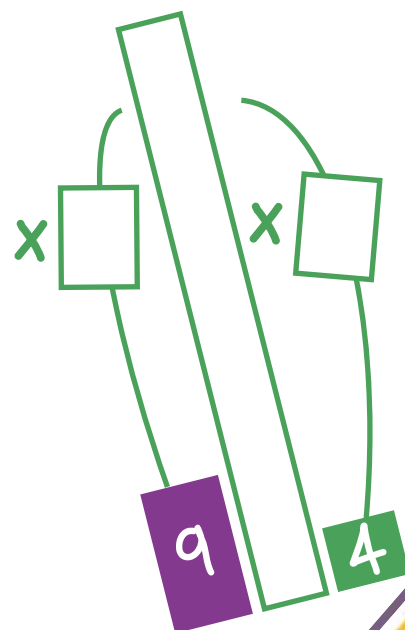
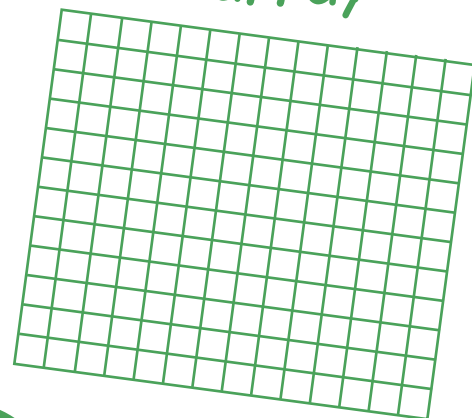
groups



number line



array

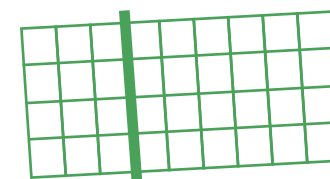
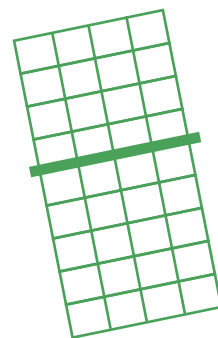


Dissect it

$$4 \times 9 = 4 \times \square + 4 \times \square$$

$$= \square + \square$$

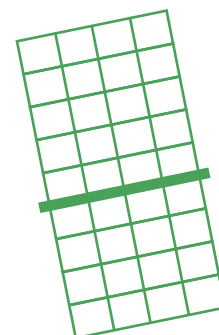
$$= \square$$



$$4 \times 9 = 4 \times \square + 4 \times \square$$

$$= \square + \square$$

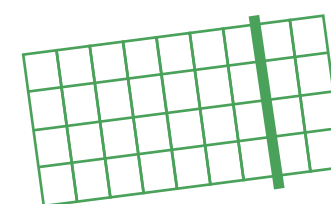
$$= \square$$



$$4 \times 9 = 4 \times \square + 4 \times \square$$

$$= \square + \square$$

$$= \square$$



$$4 \times 9 = 4 \times \square + 4 \times \square$$

$$= \square + \square$$

$$= \square$$



If I know $4 \times 9 = 36$ then I also know...

$$\square \times \square = 36$$

$$36 = \square \times \square$$

$$36 = \square \times \square$$

$$\square \div \square = \square$$

$$\square = \square \div \square$$

___ multiplied by ___ is ___

___ groups of ___ is ___

___ shared equally between 4 is ___ each

___ put into groups of 4 is ___ groups of 4

___ and ___ are factors of ___

___ is a multiple of ___ and ___

$$4 = \square \div 9$$

$$36 = \square \times 4$$

$$\frac{1}{4} \text{ of } \square = 9$$

$$\square \times 9 = 36$$



$9 \div 36 = 4$
True or false?

How many sides are there on nine squares **altogether**?

Dan saves 36 silver coins. A quarter of them are 20p coins. How many 20p coins does Dan save?

There are nine roses in **each** vase. How many roses are there **in total** in 4 vases?

4 people can sit around **each** table. How many tables are needed to seat 36 people?

Derive it

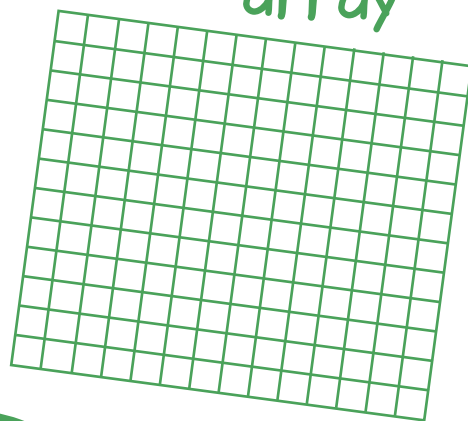
Deepen it

Draw it

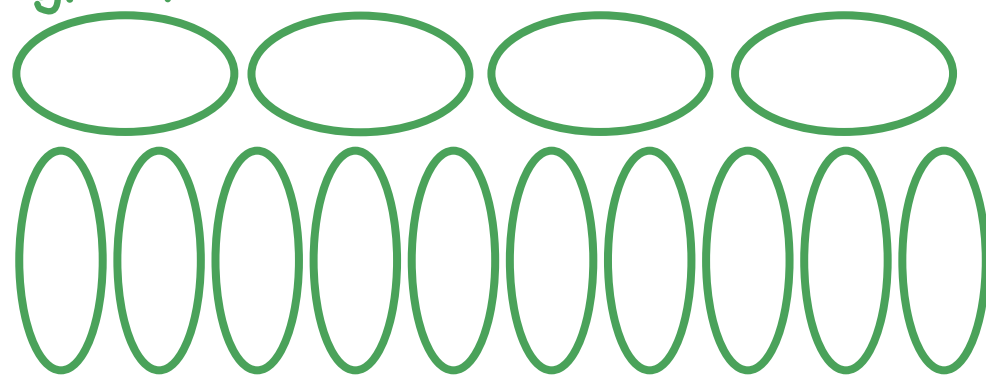
bar



array



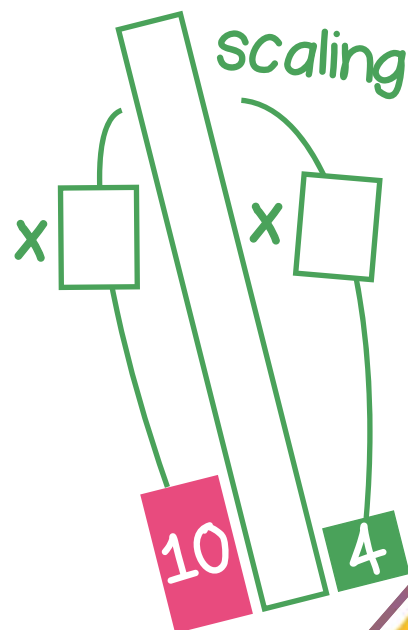
groups



number line



scaling



Dissect it

$$4 \times 10 = 4 \times \square + 4 \times \square$$

$$= \square + \square$$

$$= \square$$

$$4 \times 10 = 4 \times \square + 4 \times \square$$

$$= \square + \square$$

$$= \square$$

$$4 \times 10 = 4 \times \square + 4 \times \square$$

$$= \square + \square$$

$$= \square$$

$$4 \times 10 = 4 \times \square + 4 \times \square$$

$$= \square + \square$$

$$= \square$$



If I know $4 \times 10 = 40$ then I also know...

$$\square \times \square = 40$$

$$40 = \square \times \square$$

$$40 = \square \times \square$$

$$\square \div \square = \square$$

$$\square = \square \div \square$$

___ multiplied by ___ is ___

___ groups of ___ is ___

___ shared equally between 4 is ___ each

___ put into groups of 4 is ___ groups of 4

___ and ___ are factors of ___

___ is a multiple of ___ and ___



$$4 = \square \div 10$$

$$40 = \square \times 4$$

$$\frac{1}{4} \text{ of } \square = 10$$

$$\square \times 10 = 40$$



$4 \times 10 = 8 \times 5$
True or false?

Ricky draws ten squares. How many right angles has he drawn?

Becky plants 40 plants in 4 equal rows. How many plants are there in **each** row?

Each poster costs £4. Jackie buys ten posters. How much do they cost **in total**?

Each fence panel is 4 feet wide. How many panels are needed for a fence 40 feet wide?

Derive it

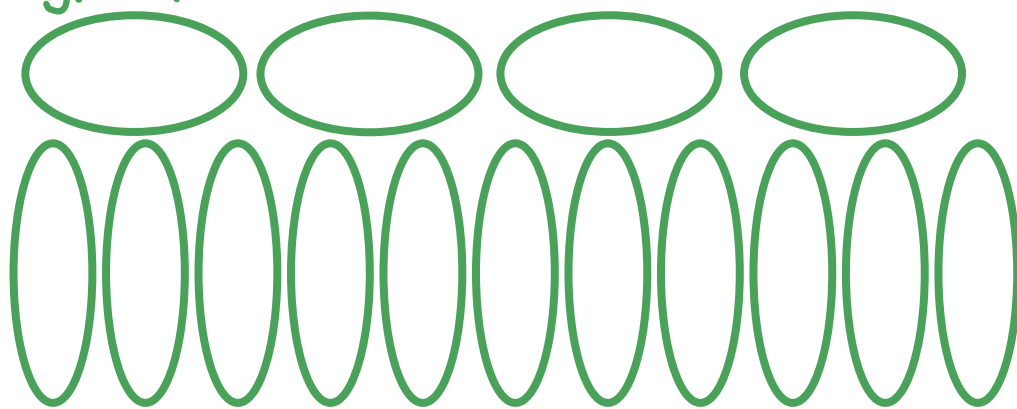
Deepen it

Draw it

bar



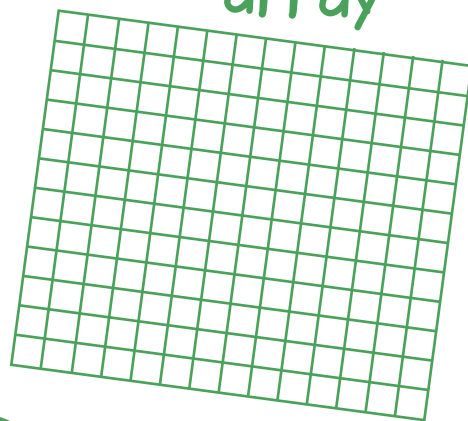
groups



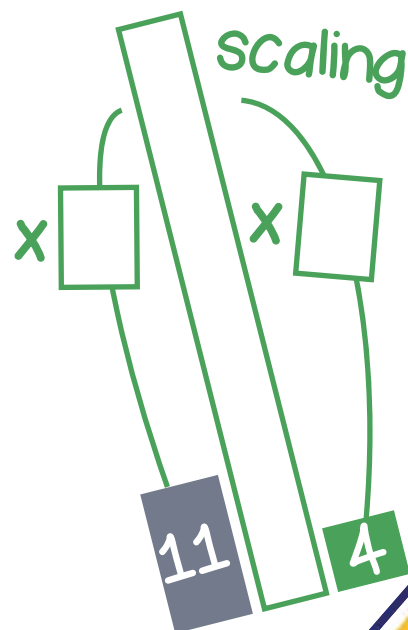
number line



array



scaling



Dissect it

$$4 \times 11 = 4 \times \square + 4 \times \square$$

$$= \square + \square$$

$$= \square$$

$$4 \times 11 = 4 \times \square + 4 \times \square$$

$$= \square + \square$$

$$= \square$$

$$4 \times 11 = 4 \times \square + 4 \times \square$$

$$= \square + \square$$

$$= \square$$

$$4 \times 11 = 4 \times \square + 4 \times \square$$

$$= \square + \square$$

$$= \square$$



If I know $4 \times 11 = 44$ then I also know...

$$\square \times \square = 44$$

$$44 = \square \times \square$$

$$44 = \square \times \square$$

$$\square \div \square = \square$$

$$\square = \square \div \square$$

___ multiplied by ___ is ___

___ groups of ___ is ___

___ shared equally between 4 is ___ each

___ put into groups of 4 is ___ groups of 4

___ and ___ are factors of ___

___ is a multiple of ___ and ___



$$4 = \square \div 11$$

$$44 = \square \times 4$$

$$\frac{1}{4} \text{ of } \square = 11$$

$$\square \times 11 = 44$$



$4 \div 44 = 11$
True or false?

If each car has 4 wheels, how many wheels do eleven cars have in total?

One quarter of Tom's stickers are blue. Tom has 11 blue stickers. How many stickers has he altogether?

44 footballers get into four equal teams. How many players in each team?

Four bulbs are planted in each pot. If 44 bulbs are planted altogether, how many pots are needed?

Derive it

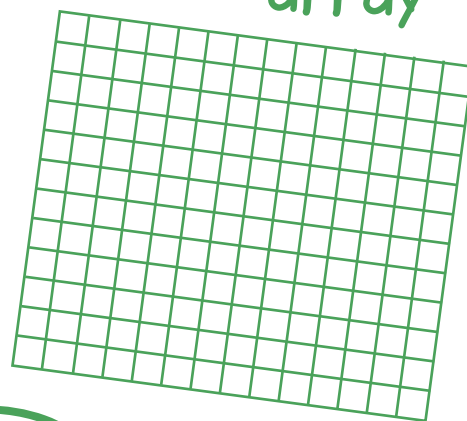
Deepen it

Draw it

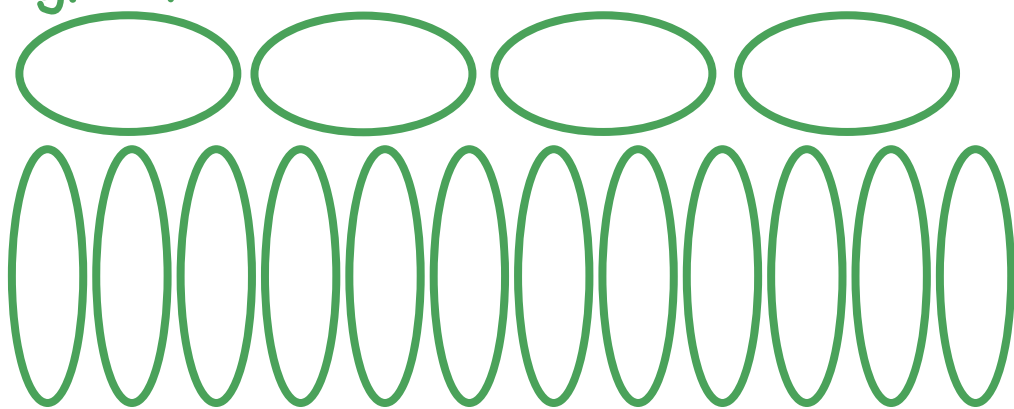
bar



array



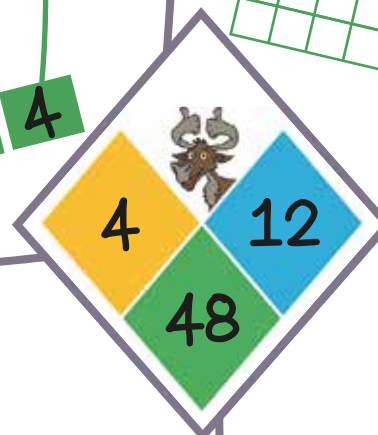
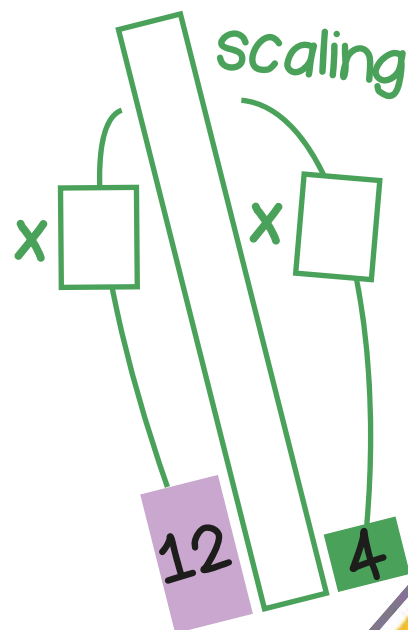
groups



number line

0 48

scaling



Dissect it

$$4 \times 12 = 4 \times \square + 4 \times \square$$

$$= \square + \square$$

$$= \square$$

$$4 \times 12 = 4 \times \square + 4 \times \square$$

$$= \square + \square$$

$$= \square$$

$$4 \times 12 = 4 \times \square + 4 \times \square$$

$$= \square + \square$$

$$= \square$$

$$4 \times 12 = 4 \times \square + 4 \times \square$$

$$= \square + \square$$

$$= \square$$



If I know $4 \times 12 = 48$ 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 4 is ___ each

___ put into groups of 4 is ___ groups of 4

___ and ___ are factors of ___

___ is a multiple of ___ and ___

$$4 = \square \div 12$$

$$48 = \square \times 4$$

$$\frac{1}{4} \text{ of } \square = 12$$

$$\square \times 12 = 48$$

If I draw 12 squares, how many sides have I drawn **in total**?

One quarter of the Farmer's sheep are black. He has 12 black sheep. How many sheep has he **altogether**?

48 children sit around tables. There are 4 children around **each** table. How many tables are there?

On a camping trip there are 4 tents. 48 girls go camping. How many are in **each** tent if there are the same number in **each** tent?



True or false?

$$4 \times 2 + 4 \times 10 = 48$$

Derive it

Deepen it