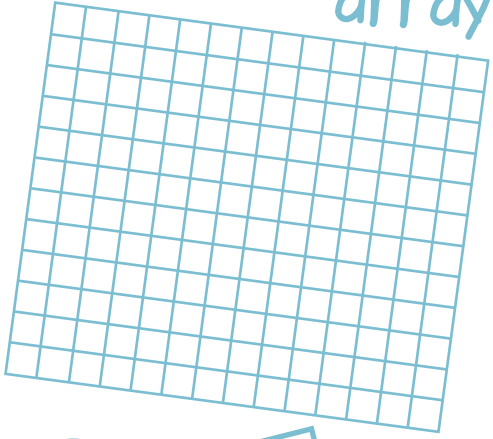


Draw it

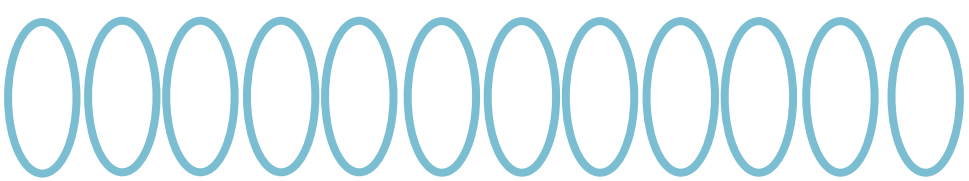
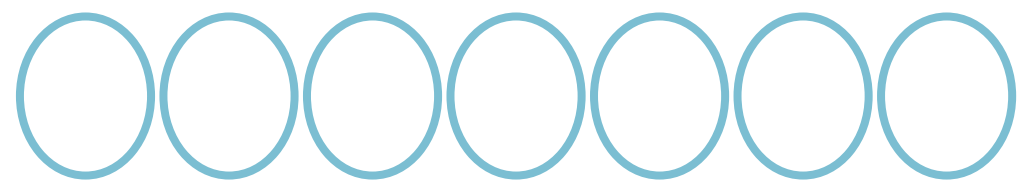
bar



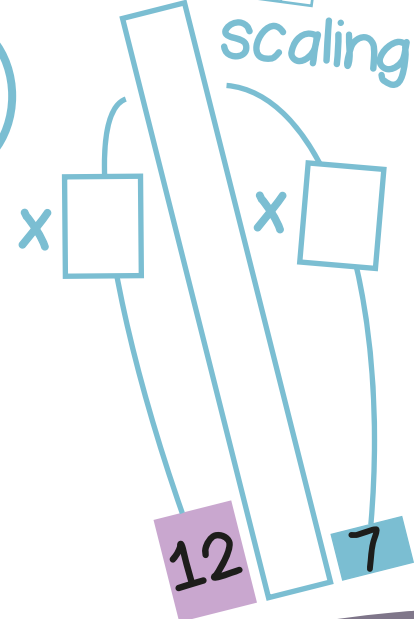
array



groups



number line



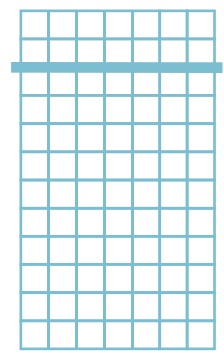
scaling

Dissect it

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

$$= \square + \square$$

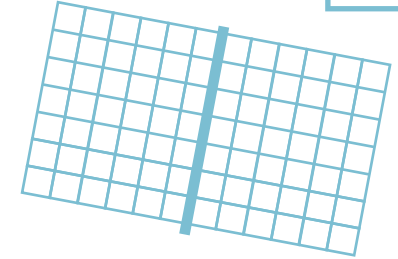
$$= \square$$



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

$$= \square + \square$$

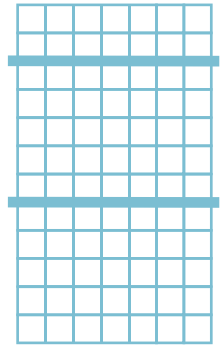
$$= \square$$



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

$$= \square + \square + \square$$

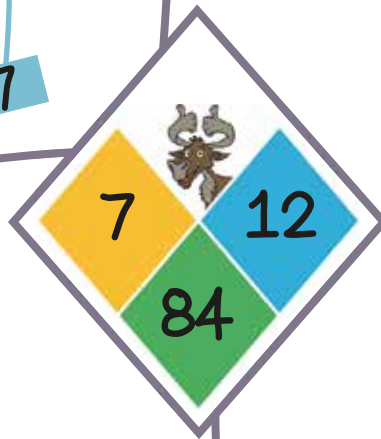
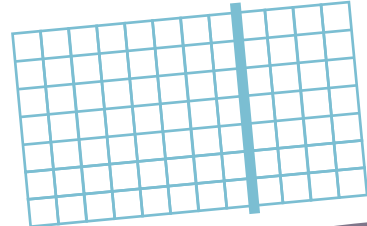
$$= \square$$



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

$$= \square + \square$$

$$= \square$$



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 \_\_\_

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?

$$70 = \square \div 12$$

$$8400 = \square \times 12$$

$$12 = \square \div 70$$

$$\square \times 7 = 840$$

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



True or false?  
 $7 \times 12 = 7 \times 2 + 7 \times 10$

Derive it

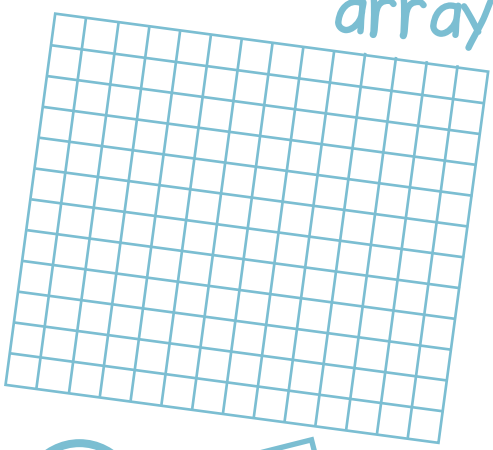
Deepen it

Draw it

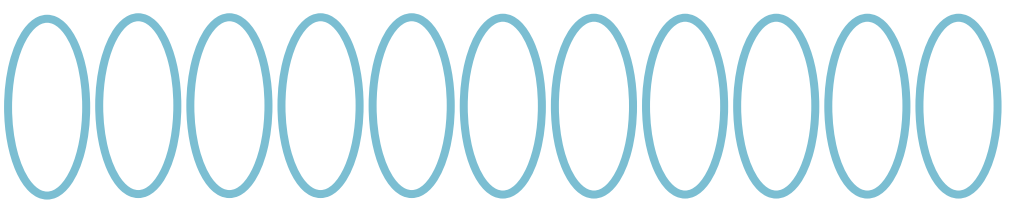
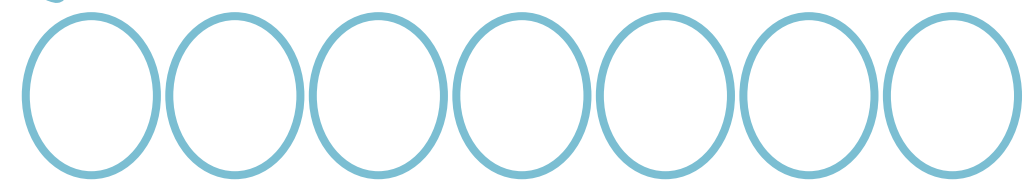
bar



array



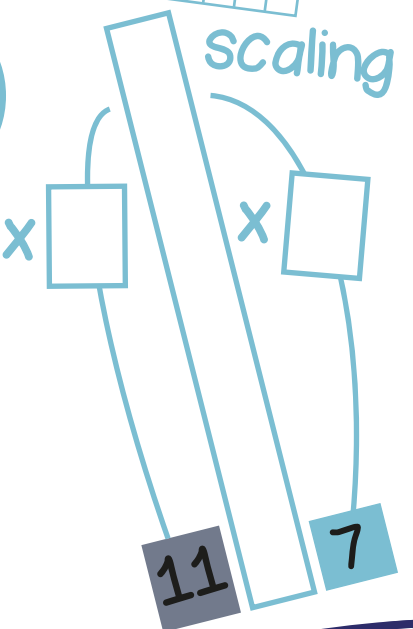
groups



number line



scaling

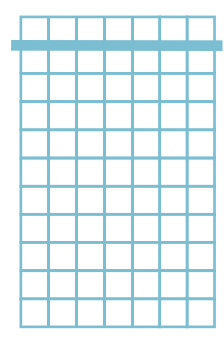


Dissect it

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

$$= \square + \square$$

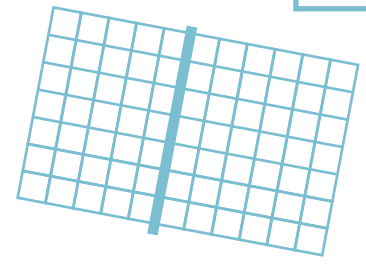
$$= \square$$



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

$$= \square + \square$$

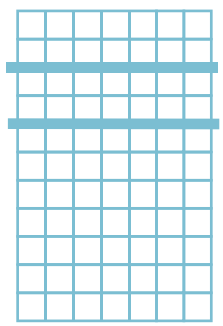
$$= \square$$



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

$$= \square + \square + \square$$

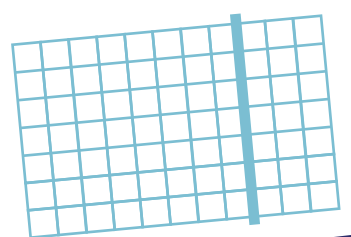
$$= \square$$



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

$$= \square + \square$$

$$= \square$$



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 \_\_\_

$$70 = \square \div 11$$

$$7700 = \square \times 11$$

$$11 = \square \div 70$$

$$\square \times 7 = 770$$

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

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?



True or false?  
 $77 \div 7 = 70 \div 7 + 7 \div 7$

Derive it

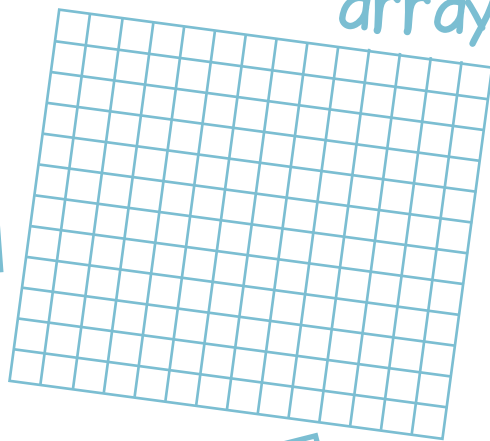
Deepen it

Draw it

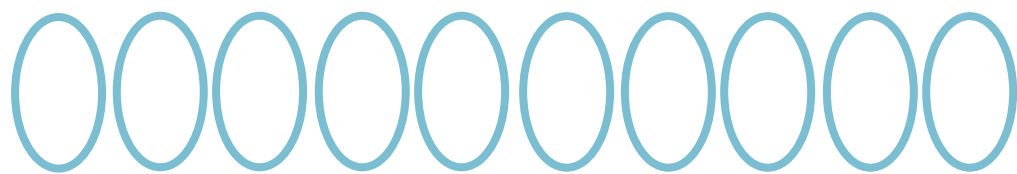
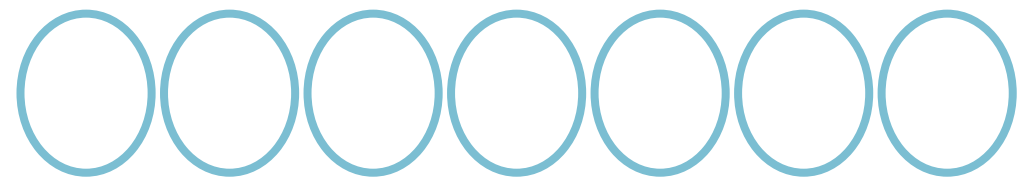
bar



array



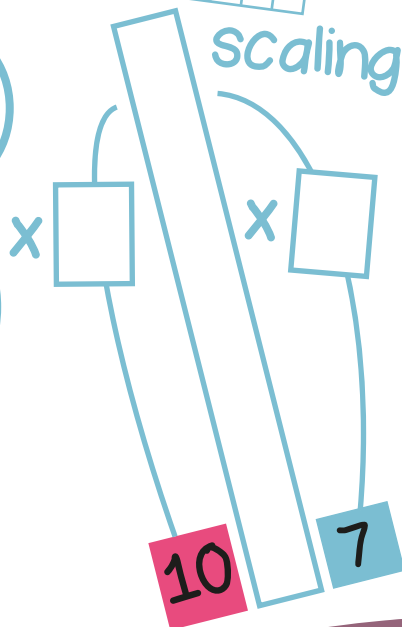
groups



number line



scaling

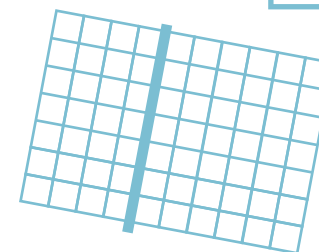
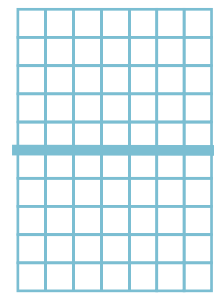


Dissect it

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

$$= \square + \square$$

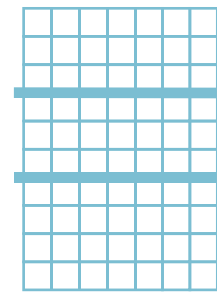
$$= \square$$



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

$$= \square + \square$$

$$= \square$$



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

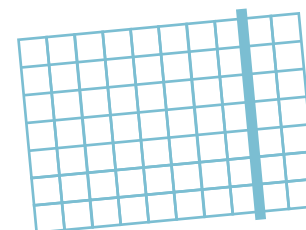
$$= \square + \square + \square$$

$$= \square$$

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

$$= \square + \square$$

$$= \square$$



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 —



$$70 = \square \div 10$$

$$7000 = \square \times 10$$

$$10 = \square \div 70$$

$$\square \times 7 = 700$$

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

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**?



True or false?

$$700 \div 70 = 70 \div 7$$

Derive it

Deepen it

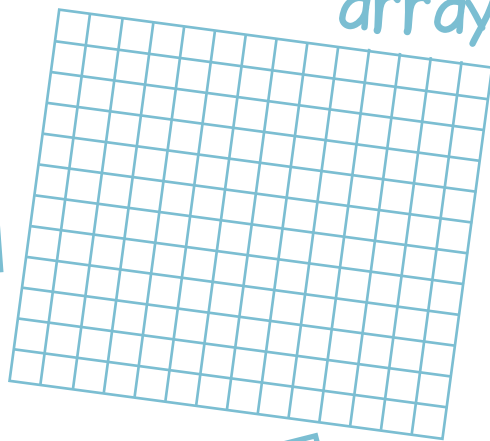


Draw it

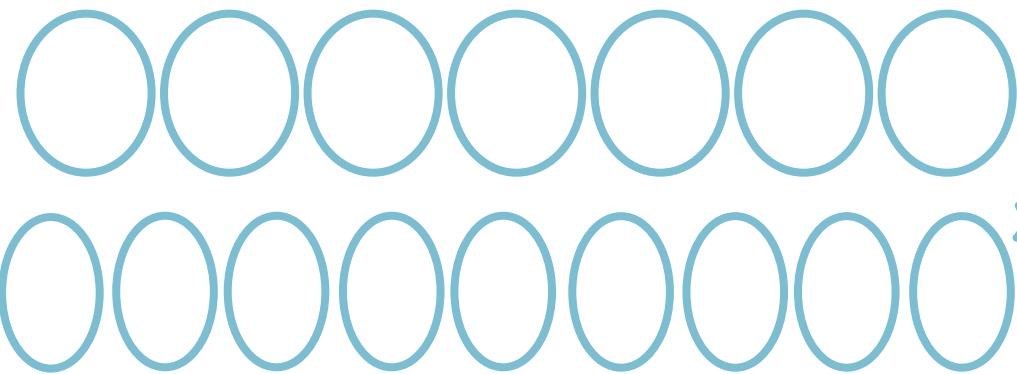
bar



array



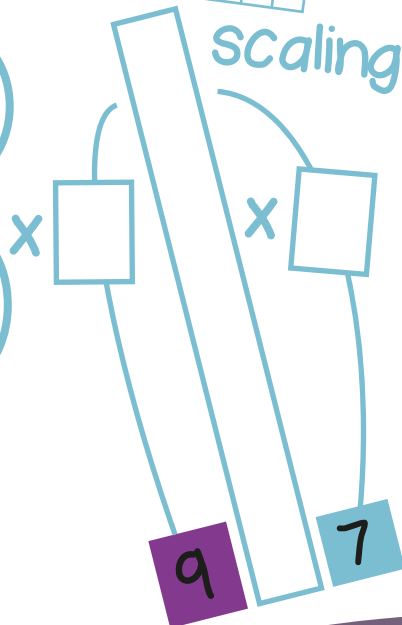
groups



number line



scaling

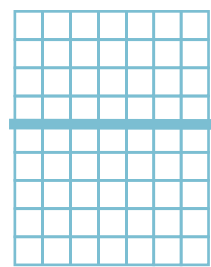


Dissect it

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

$$= \square + \square$$

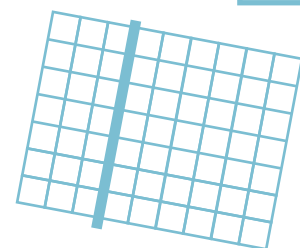
$$= \square$$



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

$$= \square + \square$$

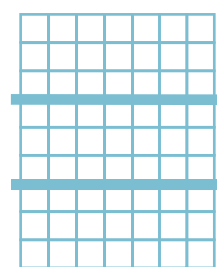
$$= \square$$



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

$$= \square + \square + \square$$

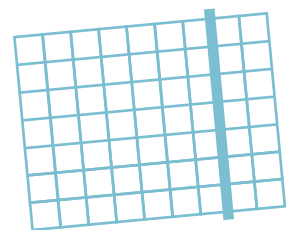
$$= \square$$



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

$$= \square + \square$$

$$= \square$$



If I know  $7 \times 9 = 63$  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 \_\_\_

$$70 = \square \div 9$$

$$6300 = \square \times 9$$

$$9 = \square \div 70$$

$$\square \times 7 = 630$$

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



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?

Derive it

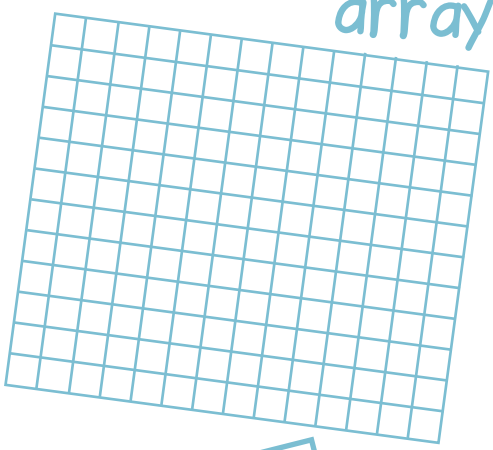
Deepen it

Draw it

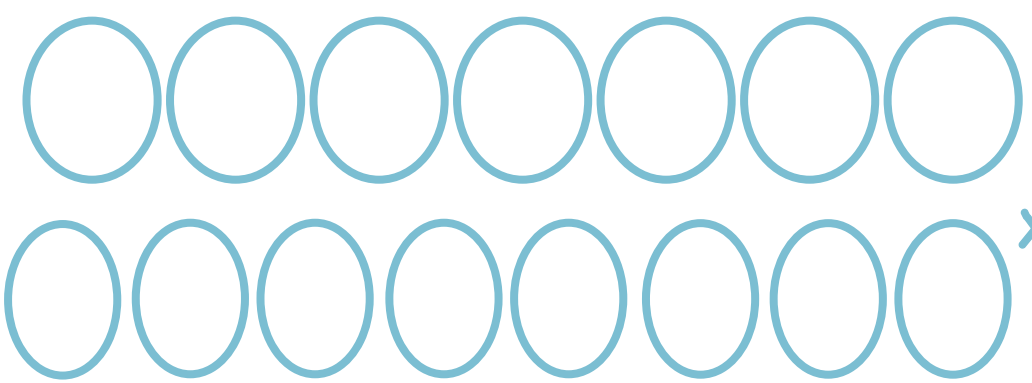
bar



array



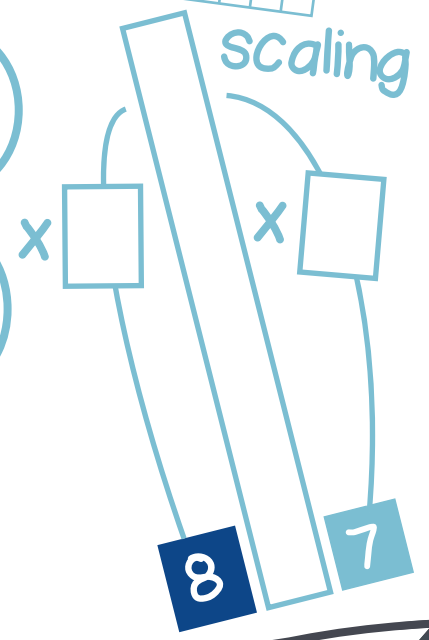
groups



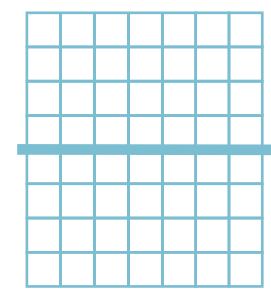
number line



scaling



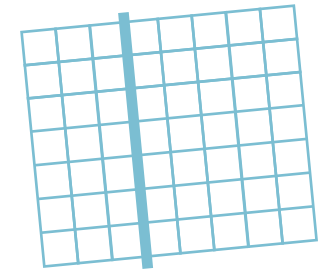
Dissect it



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

$$= \square + \square$$

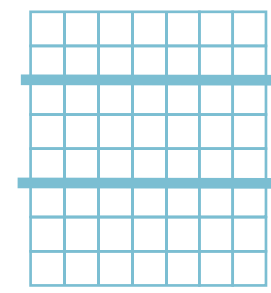
$$= \square$$



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

$$= \square + \square$$

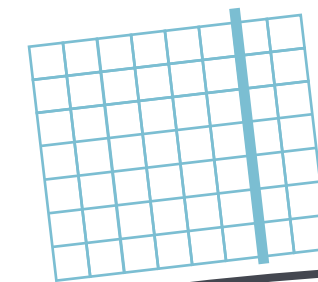
$$= \square$$



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

$$= \square + \square + \square$$

$$= \square$$



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

$$= \square + \square$$

$$= \square$$



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 \_\_\_



$$70 = \square \div 80$$

$$560 = \square \times 7$$

$$8 = \square \div 70$$

$$\square \times 7 = 5600$$

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



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

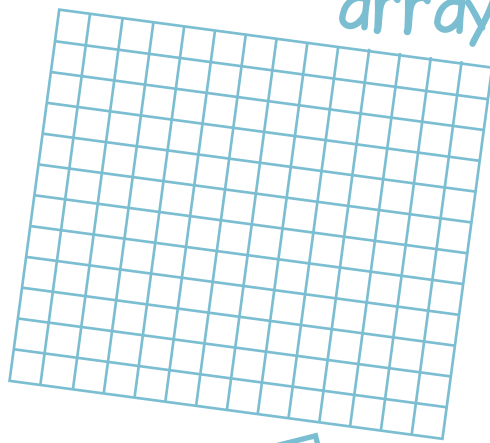
Deepen it

Draw it

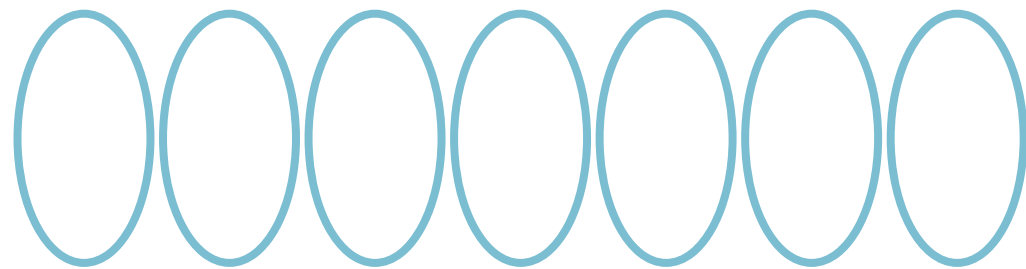
bar



array



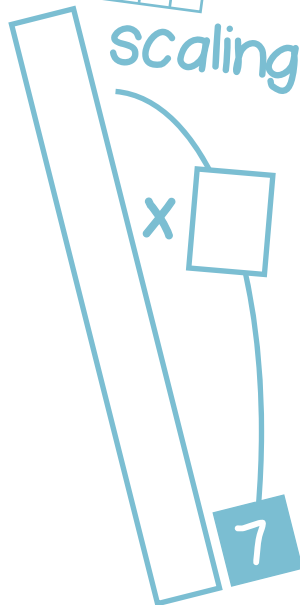
groups



number line



scaling

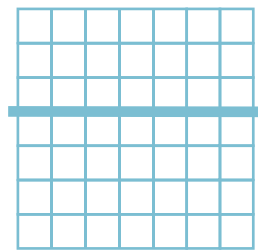


Dissect it

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

$$= \square + \square$$

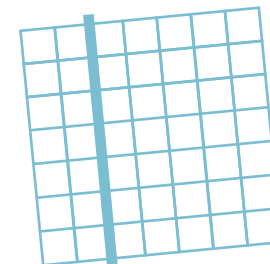
$$= \square$$



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

$$= \square + \square$$

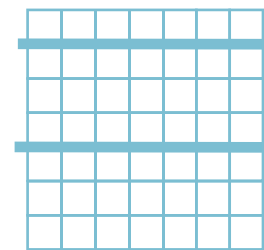
$$= \square$$



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

$$= \square + \square + \square$$

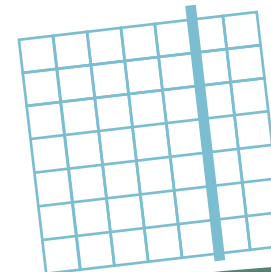
$$= \square$$



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

$$= \square + \square$$

$$= \square$$



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 \_\_\_



$$70 = \square \div 70$$

$$490 = \square \times 7$$

$$7 = \square \div 70$$

$$\square \times 7 = 4900$$

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



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

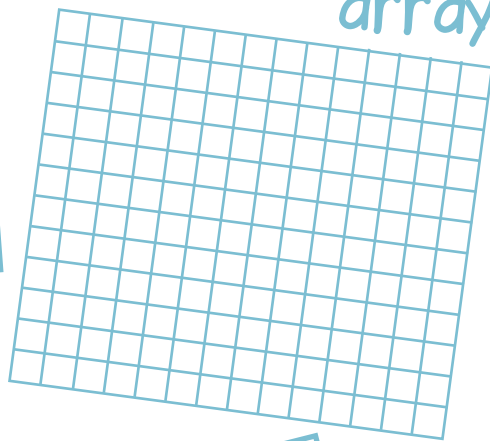


Draw it

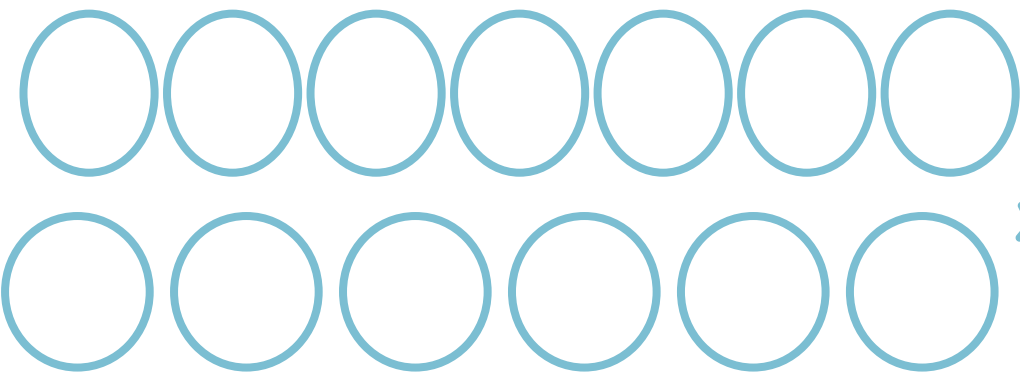
bar



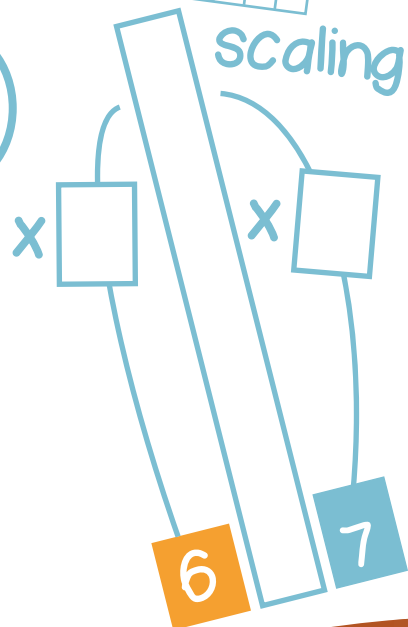
array



groups



number line

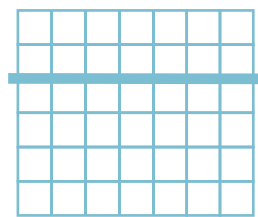


Dissect it

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

$$= \square + \square$$

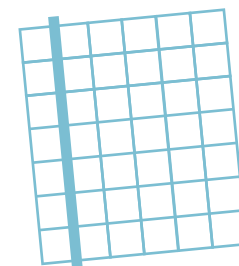
$$= \square$$



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

$$= \square + \square$$

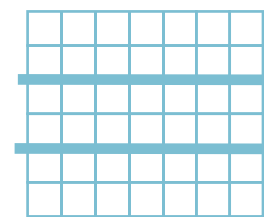
$$= \square$$



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

$$= \square + \square + \square$$

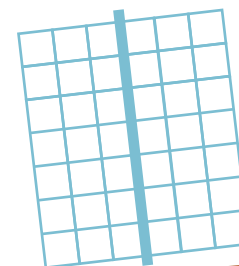
$$= \square$$



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

$$= \square + \square$$

$$= \square$$



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 \_\_\_



$$70 = \square \div 60$$

$$4200 = \square \times 7$$

$$6 = \square \div 70$$

$$\square \times 7 = 420$$

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



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?

Derive it

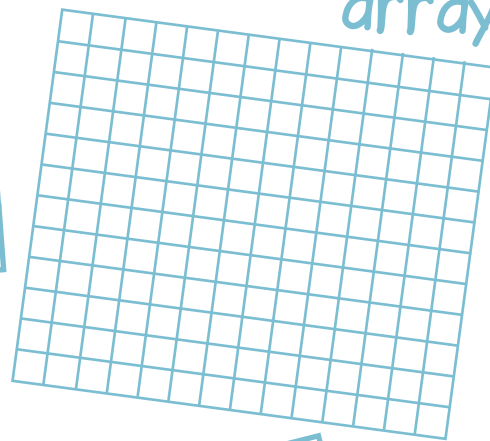
Deepen it

Draw it

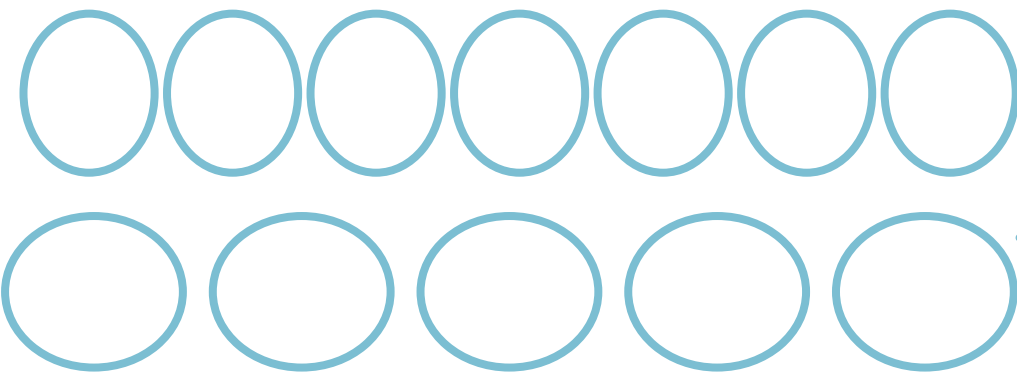
bar



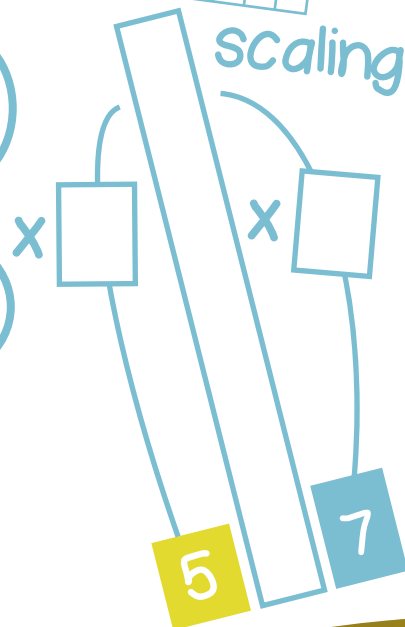
array



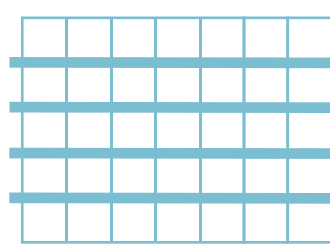
groups



number line

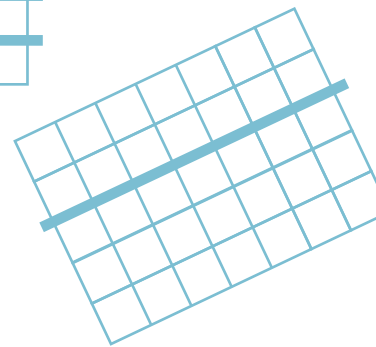


Dissect it



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

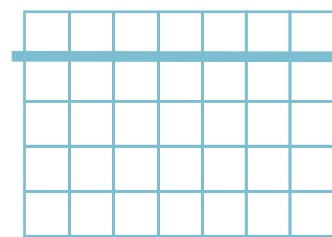
$$= \square$$



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

$$= \square + \square$$

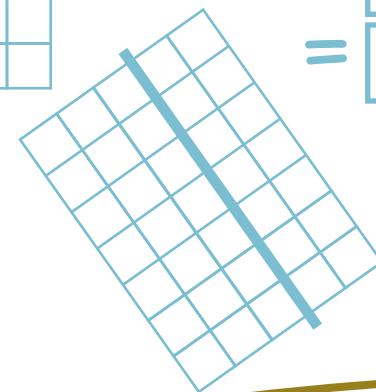
$$= \square$$



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

$$= \square + \square + \square$$

$$= \square$$



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

$$= \square + \square$$

$$= \square$$



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 \_\_\_



$$70 = \square \div 50$$

$$3500 = \square \times 7$$

$$5 = \square \div 70$$

$$\square \times 7 = 350$$

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



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

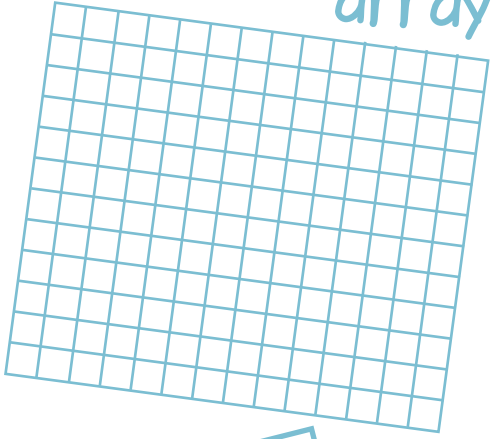


Draw it

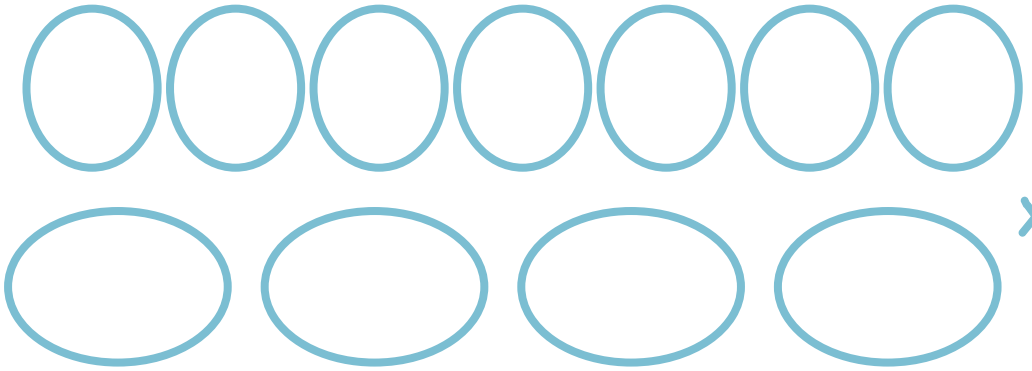
bar



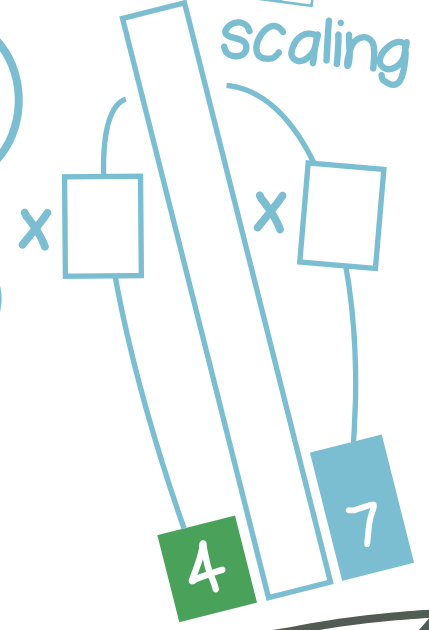
array



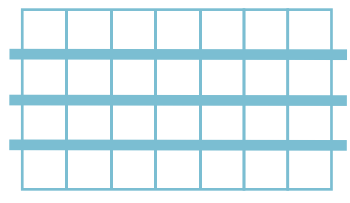
groups



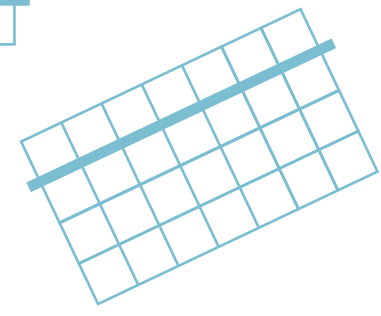
number line



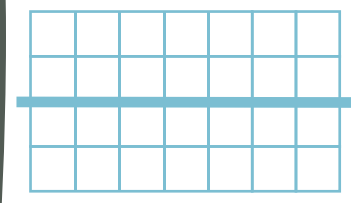
Dissect it



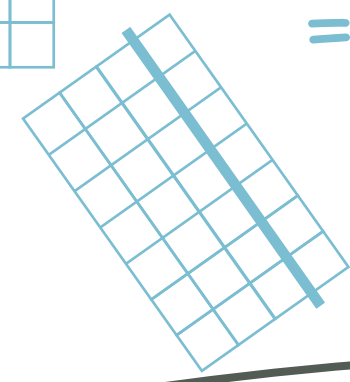
$$7 \times 4 = 7 + \square + 7 + \square = \square$$



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



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



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



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 \_\_\_



$$70 = \square \div 4$$

$$2800 = \square \times 7$$

$$4 = \square \div 700$$

$$\square \times 7 = 280$$

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



$4 \div 28 = 7$   
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

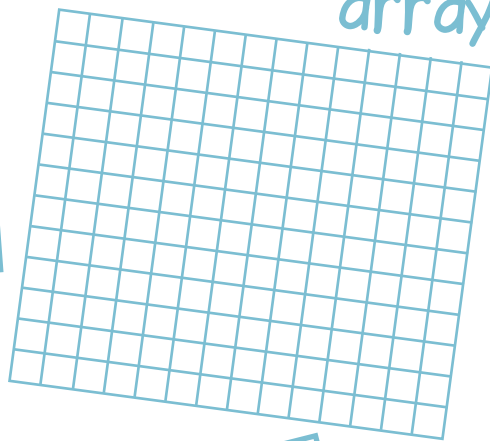
Deepen it

Draw it

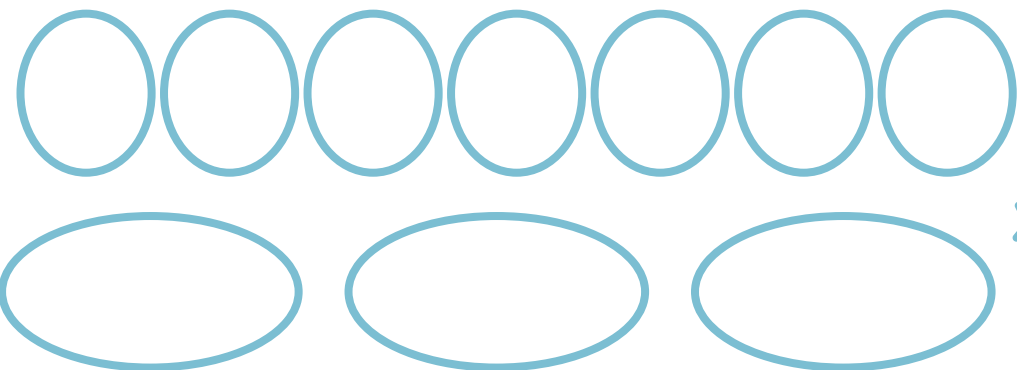
bar



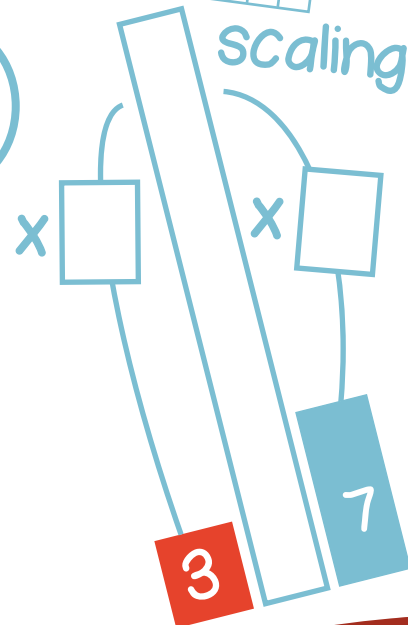
array



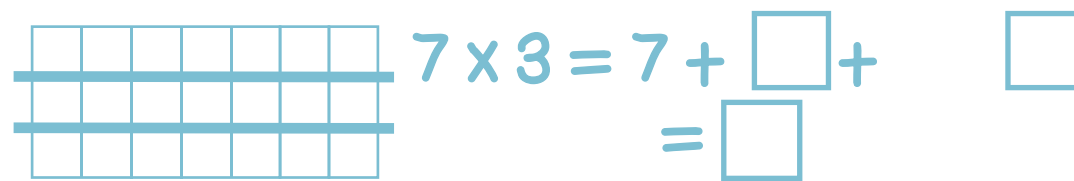
groups



number line

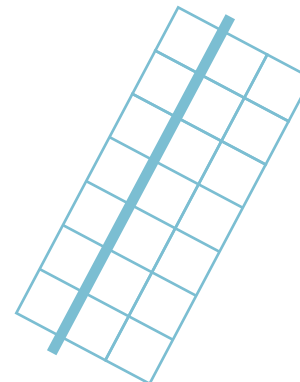


Dissect it



$$7 \times 3 = 7 + \square + \square$$

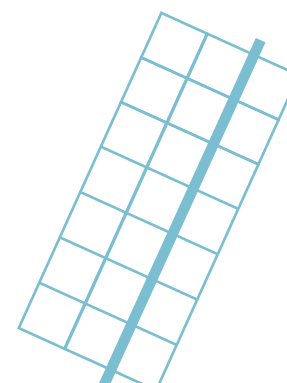
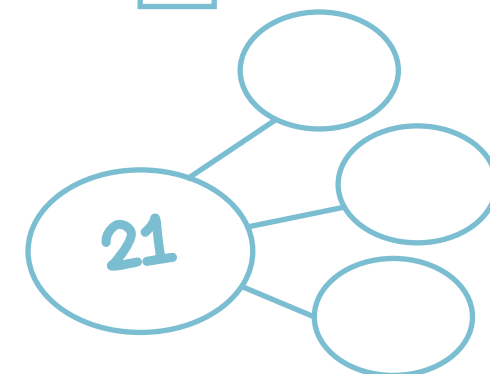
$$= \square$$



$$7 \times 3 = 7 \times \square + 7 \times \square$$

$$= \square + \square$$

$$= \square$$



$$7 \times 3 = 7 \times \square + 7 \times \square$$

$$= \square + \square$$

$$= \square$$



If I know  $7 \times 3 = 21$  then I also know...

$$\square \times \square = 21$$

$$21 = \square \times \square$$

$$21 = \square \times \square$$

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

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

\_\_\_ 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 \_\_\_



$$70 = \square \div 3$$

$$2100 = \square \times 7$$

$$3 = \square \div 70$$

$$\square \times 7 = 210$$

$$\frac{1}{7} \text{ of } \square = 30$$



$210 \div 30 = 7$   
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

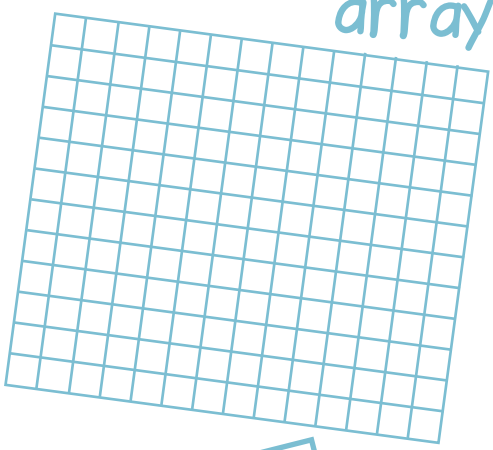
Deepen it

Draw it

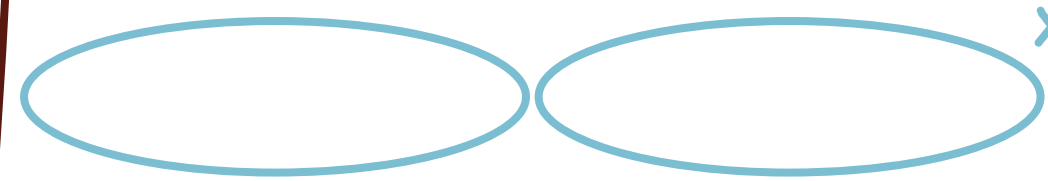
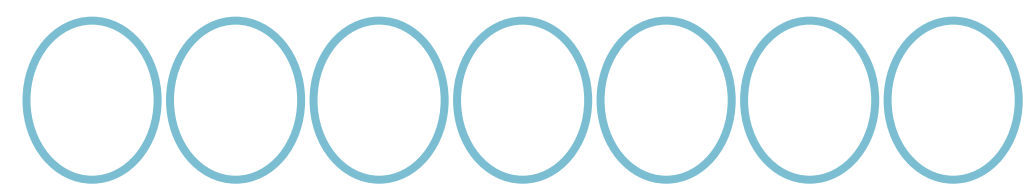
bar



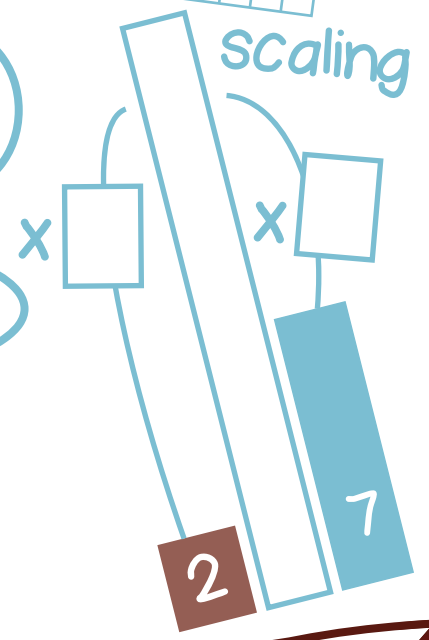
array



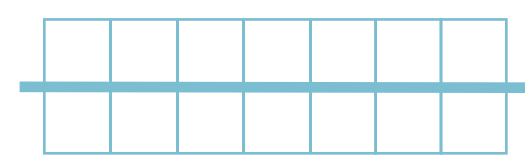
groups



number line

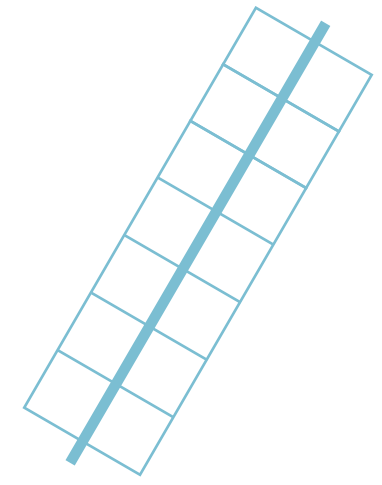


Dissect it



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

$$= \square$$

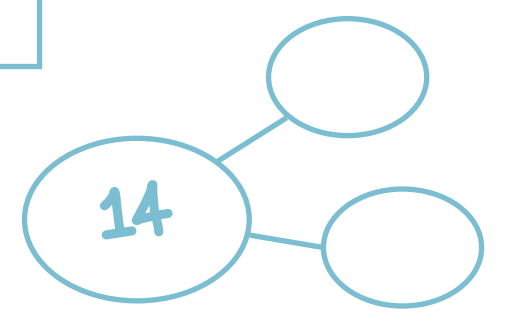
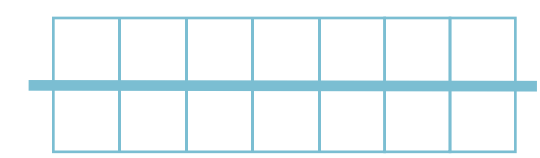


$$7 \times 2 = 7 \times \square + 7 \times \square$$

$$= \square + \square$$

$$= \square$$

$$\text{double } 7 = \square$$



If I know  $7 \times 2 = 14$  then I also know...

$$\square \times \square = 14$$

$$14 = \square \times \square$$

$$14 = \square \times \square$$

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

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

\_\_\_ 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 \_\_\_



$$70 = \square \div 2$$

$$1400 = \square \times 7$$

$$20 = \square \div 70$$

$$\square \times 7 = 140$$

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

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?



$14 \div 7 = \text{half of } 14$   
True or false?

Derive it

Deepen it