GLOSSARY

TERMS	DEFINITIONS	EXAMPLES
abacus	• Beads on a frame used for counting and calculating.	
above	• *Higher* than or over the top of an object.	above the scarecrow
add (+)	• To join together.	
addition	• Finding the *total* or *sum* of two or more numbers.	$4 + 5 = 9$
after	• *Forward* in *time*.	**ABC TV Guide** 10:05 am Charlie And Lola / 10:17 am Puffin Rock / 10:27 am Lah-Lah's Adventures / after Puffin Rock
afternoon	• The *time* from 12 noon to 6 *pm*.	afternoon tea
am (**a**nte **m**eridiem)	• The *time* from midnight to midday.	
amount	• How much.	$ $ $ $
analogue clock	• A clock that has rotating hands and shows 12 hour *time*.	
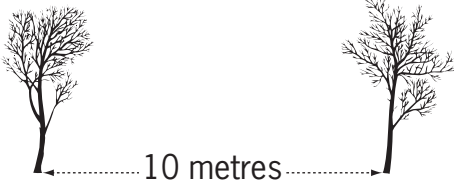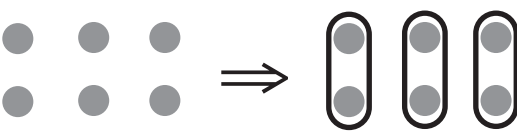
angle	• The *amount* of turning *between* two straight *lines* that are fixed at a point.	
annual	• Happening *once* a *year*.	
area	• The *amount* of surface covered by a *2D shape*.	Area = 8 squares
array	• Objects arranged in *rows* and *columns*.	
autumn	• March, April and May. The *season after summer*.	
backwards	• In reverse of the usual way. Away from your *front*.	10, 9, 8, 7, 6, 5 ....
bar graph	• Uses bars to show quantities or numbers so they can be easily compared.	
base	• A *line* or surface on which a *shape* stands.	base base

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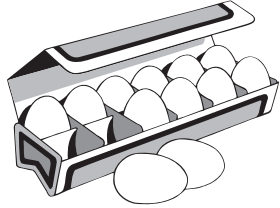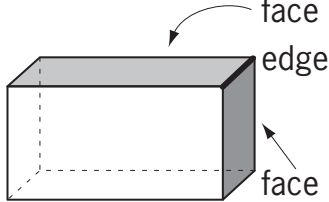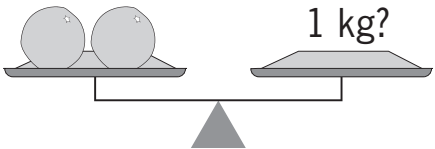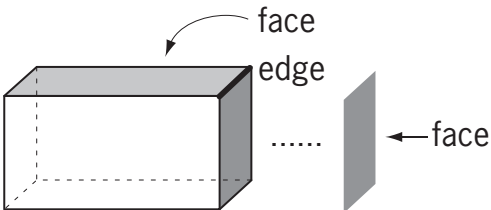
base 10 blocks	• Blocks that show base 10 values.	 100 10 1
before	• *Backward* in *time*.	**ABC TV Guide** 10:05 am Charlie And Lola 10:17 am Puffin Rock 10:27 am Lah-Lah's Adventures before Lah-Lah's Adventures
behind	• A *position* at the back.	
below	• Lower than or underneath an object.	 below sea level
between	• At a place bounded by two or more places. e.g. Canberra is located between Melbourne and Sydney.	 Sydney Canberra Melbourne
biggest	• The *largest*.	
calculate	• To work something out.	3 + 4 = 7
calendar	• A *time* chart that tells us what *day*, *week*, *month* and *year* it is.	APRIL - 2014

capacity	• Or *volume*, is the measure of the *amount* of liquid a container can hold.	
carry over	• The *amount* passed to the next *place value* in an algorithm.	hundreds tens units 1 6 5 3 + 1 2 8 **7 8 1** Carry over
cent (¢)	• The *smallest unit* of money. 100 cents = 1 *dollar*	10 cents 50 cents 20 cents
centimetre	• A *unit* of *length*. 1 centimetre = 10 *millimetres*.	cm 1 2 3 4 5
certain	• Being sure. • Will definitely happen.	death taxes
chance	• The possibility of getting a particular result.	1 out of 6 chances to throw a 2.
change (money)	• The leftover money you are given back after buying something.	$0.70 change from $1
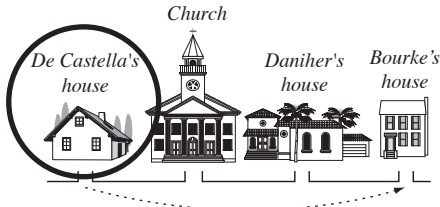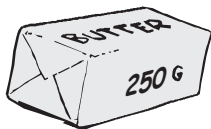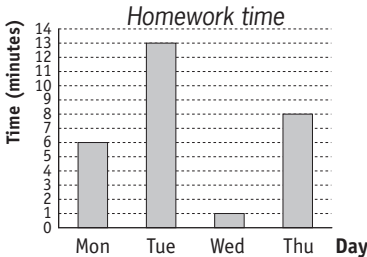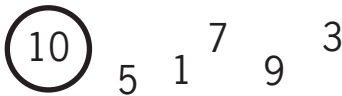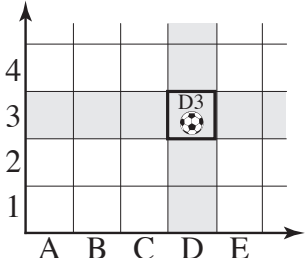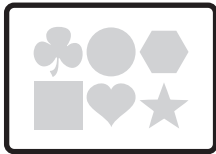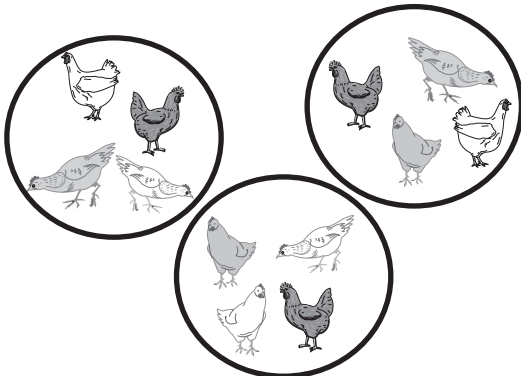
circle	• A *2D shape* bounded by a *line* that is always the same *distance* from the *middle* point (centre).	
clockwise	• Moving in the *direction* of the hands on a clock.	
closest	• Nearest to.	nearest to mother
column	• A *vertical line* in an *array* or *table*.	2nd column from the left
compass	• An instrument that shows *direction*.	
cone	• A *3D shape* with one circular *base* and one *vertex*.	vertex base
convert	• Change from one *unit* to another.	mm 10 20 cm 1 2
cost (money)	• The *amount* you pay to buy something.	$875
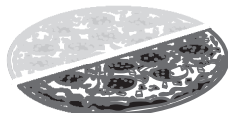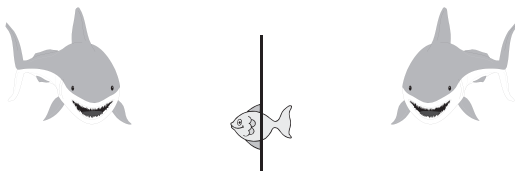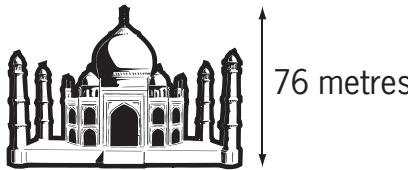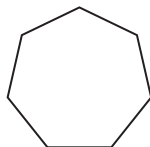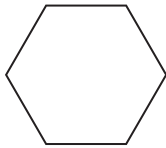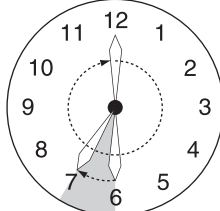
counting numbers	• A *whole number* from 1 to .... forever (infinity).	1, 2, 3, 4, 5 ....
cube	• A *3D shape* with six identical *square* faces.	
curved line	• A *line* that is not straight.	
cylinder	• A *3D shape* with two circular ends of the same size.	
date (time)	• Tells us the *day*, *month* and *year*.	7th June 2021 7/6/2021
day	• A *unit* of *time* equal to 24 *hours*. A day starts and ends at midnight.	
decagon	• A *2D shape* with 10 *sides*.	
decrease	• To make smaller.	
difference	• The result when a number is *subtracted* from another number. • The *amount* by which one number is bigger or smaller than another number.	5 – 3 = 2
digit	• Any of the first ten *whole numbers* from 0 to 9.	0, 1, 2, 3, 4, 5, 6, 7, 8 and 9

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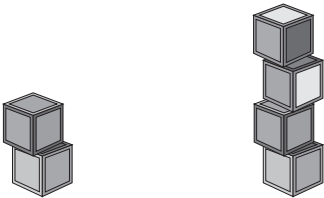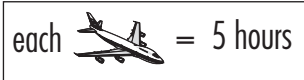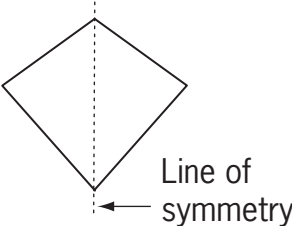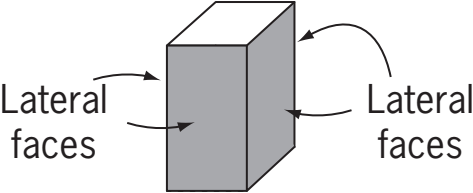
digital clock	• A clock that uses only numbers to show the *time*. (No hands!)	
digital time	• The *time* shown in numbers.	12 : 25 : 53 hours minutes seconds
direction	• The way something is pointing or going.	north, up left, west ←●→ east, right south, down
distance	• The *length between* two points.	10 metres
divide (÷)	• To *share* into *equal groups*.	6 ÷ 2 = 3
division	• The *operation* of sharing or grouping a number into *equal* parts.	
dollar ($)	• A *unit* of money. 1 dollar = 100 *cents*	5 dollars 10 dollars 20 dollars 50 dollars 100 dollars
double	• *Twice* as much. • *Multiplied* by two.	once twice

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dozen	• Twelve.	
east	• A compass *direction*.	E
edge	• Where two *faces of a 3D shape* meet.	
eighth	• The *position* after *seventh*.	1st, 2nd, 3rd, 4th, 5th, 6th, 7th, **8th** ...
equal (=)	• Exactly the same in *value* or *size*.	20 cents 10 cents 10 cents
estimate	• To make a close guess.	1 kg?
even number	• A *whole number* that can be *divided* by two. • Even numbers end with 0, 2, 4, 6 or 8.	even even 134 ✔ 431 ✘
expanded notation	• A way of writing a number to show the *value* of each *digit*.	123 = 100 + 20 + 3
face of a 3D shape	• *2D shapes* that join on their *edges* to form a *3D shape*.	
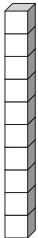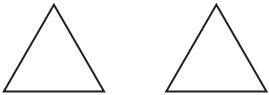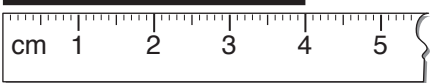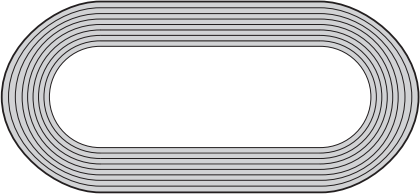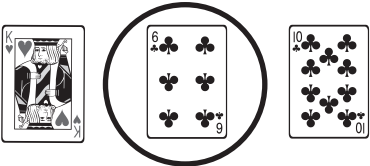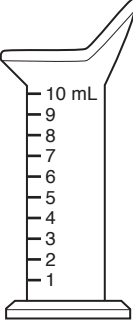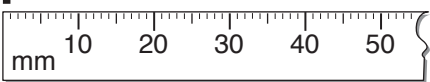
fifth	• The *position* after *fourth*.	1st, 2nd, 3rd, 4th, **5th** ...
first	• Placed *before* anything else.	
flat	• *Base 10 block* of 100 (10 × 10).	 100
flip	• To turn across a *line* so the result is a mirror image.	
fortnight	• A *unit* of *time* equal to 2 *whole weeks* or 14 *days*.	
forwards	• In the *direction* of your *front*.	1, 2, 3, 4, 5, ...
fourth	• The position after *third*.	1st, 2nd, 3rd, **4th** ...
fraction	• Part of a *group*. • Part of a *whole*.	$\frac{5}{8}$ $\frac{1}{2}$
front	• The *side* of an object that is usually seen *first*.	 front door
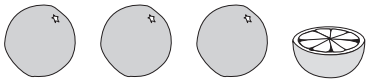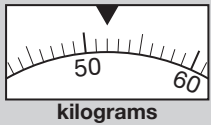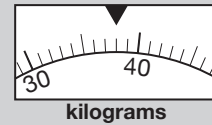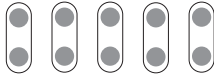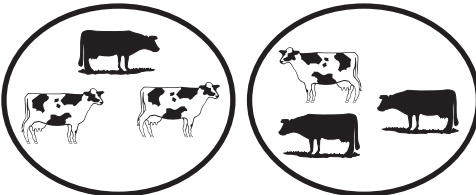
furthest	• The *longest* way away.	
gram (g)	• A *unit* of *weight*. 1000 grams = 1 *kilogram*	
graph	• A diagram that shows a collection of information.	
greater than (>)	• A symbol showing which is bigger.	10 > 2 means that 10 is greater than 2.
greatest	• The *biggest*.	⑩ 5 1 7 9 3
grid reference	• A *pair* of letters and/or numbers that describe *location* within a grid.	
group	• To join together in a collection.	
groups of	• Collections of things.	

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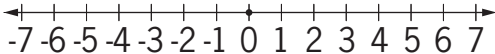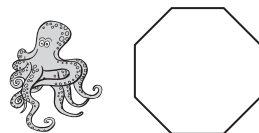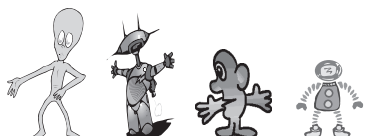
half	• (pl. **halves**) One of two *equal* parts expressed as a *fraction*.	
halfway	• In the *middle*, *between* 2 points.	
height	• The vertical *distance* from top to bottom.	76 metres
heptagon	• A *2D shape* with 7 *sides*.	
hexagon	• A *2D shape* with 6 *sides*.	
horizontal line	• The same direction as the horizon.	
hour (h)	• A *unit* of *time*. 1 hour = 60 *minutes*	
hundreds	• The *place value between tens* and *thousands*.	
impossible	• Cannot happen.	Christmas Day - 4th of April?????

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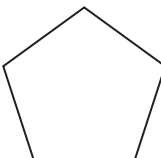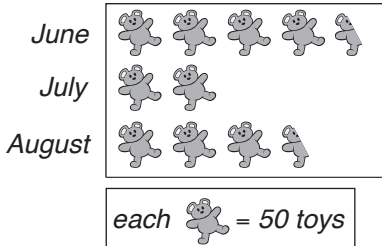
increase	• To make larger or grow in *size*.	
key (maps)	• The information needed to read a *map*, *graph* or diagram.	each ✈ = 5 hours
kilogram (kg)	• A *unit* of *weight*. 1 kilogram = 1000 *grams*	86 kg → ← 35 kg
kilometre (km)	• A *unit* of *distance*. 1 kilometre = 1000 *metres*	Melbourne Auckland 2600 km
kite	• A special *2D shape* with 4 *sides*. One *line of symmetry*.	← Line of symmetry
largest	• The *biggest*.	
largest to smallest	• Ranking in order from the *greatest* to *least*.	1st 2nd 3rd 4th
lateral faces	• The vertical surfaces on a *3D shape*.	Lateral faces Lateral faces
leap year	• A *year* with 366 *days* that falls every *fourth* year and includes the 29th of February as the extra day.	2016 is a leap year.
least	• The *smallest*.	2 7 9 5 6 14
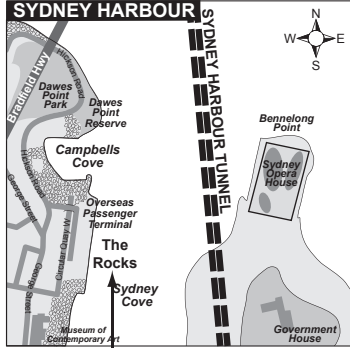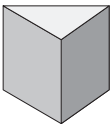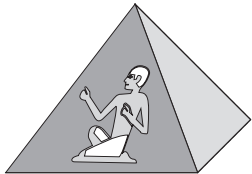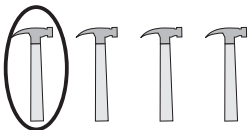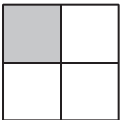
left	• The *direction* to the *west* of your body if you are facing *north*.	
length	• The *distance* from one end to the other. • How long a shape is.	
lesser	• Not as many as another.	
less than (<)	• A symbol showing which is smaller.	2 < 10 means that 2 is less than 10.
likely	• Will probably happen.	 It is likely to spin a Z.
line	• A continuous narrow mark.	
line of symmetry	• A *line* that *divides* a *shape* so that one *side* is a mirror image of the other. Both sides match exactly when folded.	
litre (L)	• A *unit* of *capacity*. 1 litre = 1000 *millilitres*	
location	• The exact place, where something is situated.	
longest	• Having the *biggest length*.	

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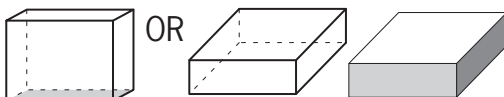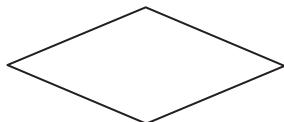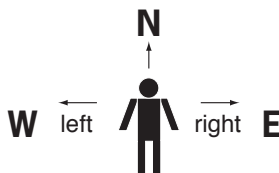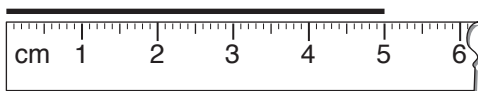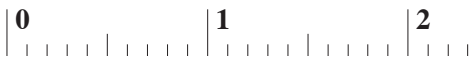
longs	• *Base 10 block* of 10 (1 × 10).	10
map	• A diagram of a region showing its *position* in the world.	South Pacific
match	• Put with an identical object.	
measure	• To work out the *size* or *amount*.	
metre (m)	• A *unit* of *length*. 1 metre = 100 *centimetres*	Standard 400 metre athletics track
middle	• A point *halfway between*. In the centre.	
millilitre (mL)	• A *unit* of *capacity*. 1000 millilitres = 1 *litre*	
millimetre (mm)	• A *unit* of *length*. 10 millimetres = 1 *centimetre*	

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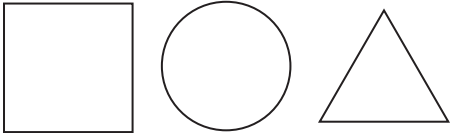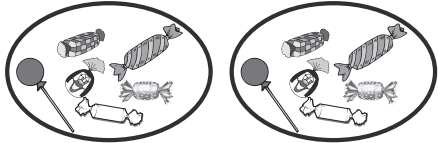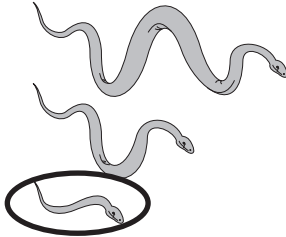
minis	• *Base 10 block* of one (1).		1
minus (−)	• Another word for *subtract*. To *take away*.		$3 - 2 = 1$
minute (min)	• A *unit* of *time*. 1 minute = 60 *seconds*		$5{:}20 \longrightarrow 5{:}21$
mixed number	• The *sum* of a *whole number* and a *fraction less than* one.		$3\frac{1}{2}$
month	• A *unit* of *time*. • A month *is equal* to 28, 29, 30 or 31 *days*.		
morning	• The early part of the *day* ending at 12 noon.		
most	• The *greatest* amount.		Vince Margie Vince weighs the most.
multiplication	• An *operation* where a number is *added* to itself a number of times.		$2 \times 5 = 10$ $2 + 2 + 2 + 2 + 2 = 10$
multiply (×)	• To find the *total* of a number of identical *groups*.		$2 \times 3 = 6$
ninth	• The *position* after *eighth*.		1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th, **9th** ...
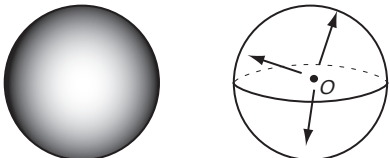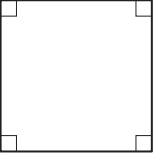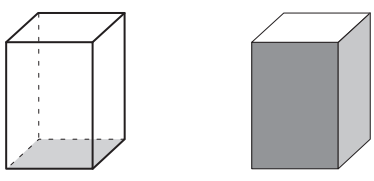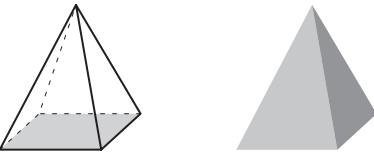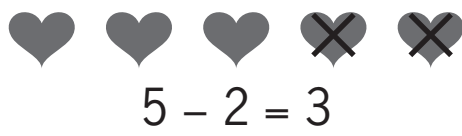
none	• *Zero*.	no picture
north	• A compass *direction*.	N
number line	• An evenly marked *line* that shows the *position* of numbers.	-7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7
numeral	• A symbol used to represent a number.	Arabic numerals: 1, 2, 3, 4, 5 … Roman numerals: I, II, III, IV, V …
octagon	• A *polygon* with 8 *sides*.	
odd number	• A *whole number* that cannot be *divided* by 2. • Odd numbers end with 1, 3, 5, 7 or 9.	odd odd 431 ✔ 134 ✗
once	• On one occasion.	Just this time!
ones	• The *place value before tens*.	
opposite	• The equivalent *position* but on the other side.	← left → right
order	• Placing a *group* in a special arrangement.	tallest to shortest

For **ones**:

	Place		
Thousands	Hundreds	Tens	Ones
3	4	2	0

	Value		
3000	400	20	0
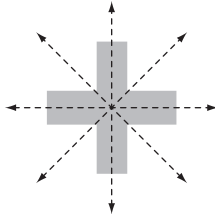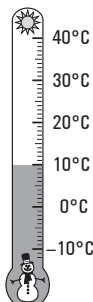
outcome	• Possible result of a probability experiment.	throw a die - 1, 2, 3, 4, 5 or 6 6 outcomes
pair	• Two together.	
parallelogram	• A special *2D shape* with 4 *sides*. *Opposite* sides are *equal* in *length*. *Opposite angles* are *equal*.	
pattern	• Numbers or objects that are arranged following a rule.	
pentagon	• A *2D shape* with 5 *sides*.	
per	• For each. • Can be written as a forward slash (/).	One ticket per person
pictograph	• A *graph* that uses pictures or symbols to represent information.	*Toy Sales in Winter* *June* *July* *August* *each* = *50 toys*
place value	• *Value* according to *position* in a number.	

place value table:

	Place		
Thousands	Hundreds	Tens	Ones
3	*4*	*2*	*0*
	Value		
3000	*400*	*20*	*0*
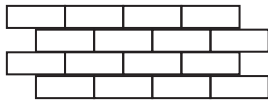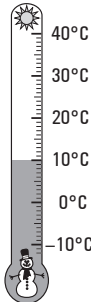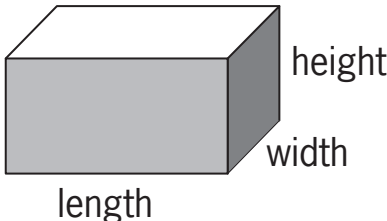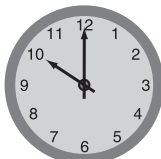
plus (+)	• Another word for *addition*. To *add*.	plus 2 + 3 = 5
pm (post **m**eridiem**)**	• The *time* from midday to midnight.	
position	• Where something is in relation to things around it.	position of 'The Rocks'
possible	• Can happen.	landing on tails
prism	• A *3D shape*. Two *bases* are the same size.	
pyramid	• A *3D* shape. All *lateral faces* are *triangles* that meet at one point called *vertex*. A pyramid is named for the *shape* of its *base*.	
quadrilateral	• A *2D shape* with 4 *sides*.	
quarter	• One of four equal parts of a *group* or object. • Written as the *fraction* $\frac{1}{4}$.	
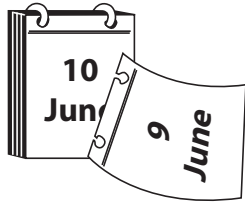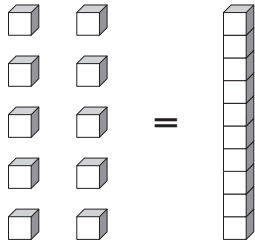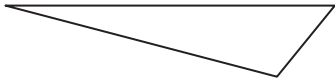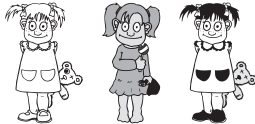
rectangle	• A special *2D shape* with 4 *sides*. *Opposite* sides are *equal* in *length*. All *angles* are *right angles*.		
rectangular prism	• A *3D shape* with 6 rectangular *faces*.	OR	
rhombus	• A special *2D shape* with 4 *equal sides*. *Opposite angles* are *equal*.		
right	• The *direction* to the *east* of your body if you are facing *north*.	N W left right E	
right angle	• An *angle* measuring exactly 90°. It is marked with a corner.		
Roman numerals	• *Numeral* system invented by the ancient Romans.	I = 1 V = 5 X = 10 L = 50 C = 100 D = 500 M = 1000	
row	• A *horizontal line* in an *array* or *table*.	top row	
ruler	• An instrument for measuring *length*.	cm 1 2 3 4 5 6	
scale	• Set of marks on a *line*.	0 1 2	
season	• There are 4 seasons: *Summer*, *Autumn*, *Winter*, *Spring*. • A *length* of *time* lasting 3 *months*.	**Summer** **Autumn** **Winter** **Spring** December March June September January April July October February May August November	
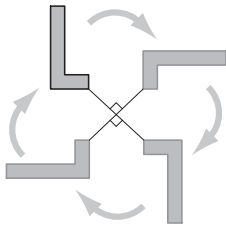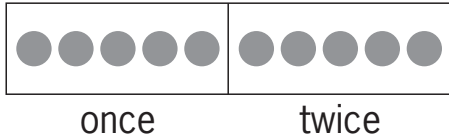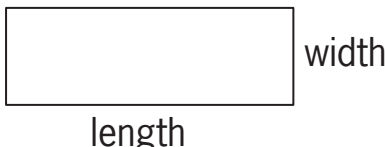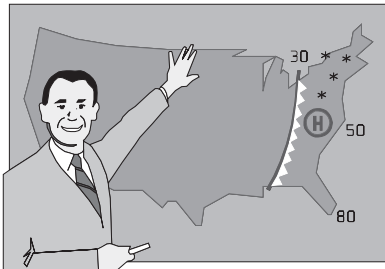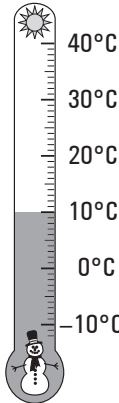
second (s)	• A very short *unit* of *time*. 60 seconds = 1 *minute*	5:20:13 ⟶ 5:20:14
second	• The *position* after *first*.	1st, **2nd** ...
semicircle	• A half *circle*.	
seventh	• The *position* after *sixth*.	1st, 2nd, 3rd, 4th, 5th, 6th, **7th** ...
shape	• The outline of an *area*.	
sharing	• Putting into equal *groups* or parts.	
shortest	• Having the *smallest length*.	
side	• One of the *lines* that form a *2D shape*.	
sixth	• The *position* after *fifth*.	1st, 2nd, 3rd, 4th, 5th, **6th** ...
size	• How big an object is.	2 metres
skip counting	• *Counting* by missing numbers following a certain *pattern*.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11
slide	• Move without changing *direction*.	
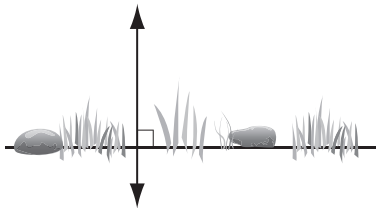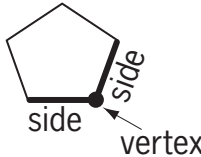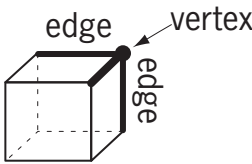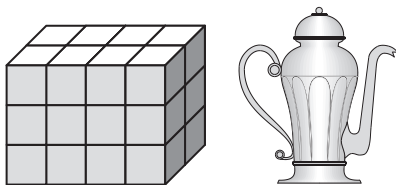
smallest	• The *least size*.	
smallest to largest	• Ranking in order from the *least* to the *greatest*.	1st 2nd 3rd 4th
south	• A compass *direction*.	S
sphere	• A set of *points* in space of *equal distance* from the central point.	
spring	• September, October and November. The *season after winter*.	
square	• A special *rectangle* with all *sides* of *equal length*.	
square prism	• A *3D shape*. Two identical square *bases*. All the other *faces* are *rectangles*.	
square pyramid	• A *3D shape*. One square *base*. All the other *faces* are *triangles*.	
straight line	• A continuous narrow mark.	
subtract	• To *take away* or *minus*.	5 − 2 = 3
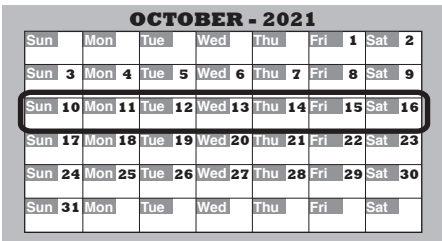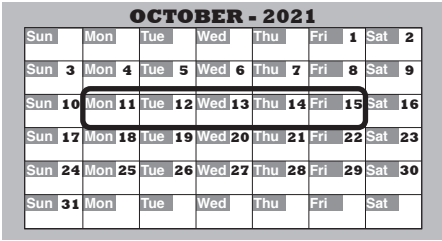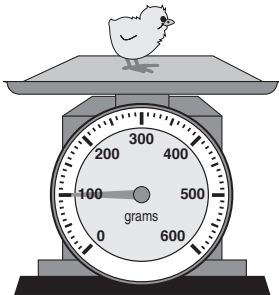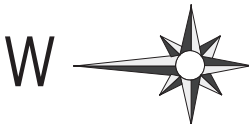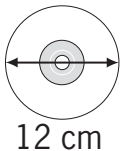
sum	• The result when two or more numbers are *added*.	plus $2 + 3 = 5$
summer	• December, January, February. The *season after spring*.	
symmetry	• When one *side* of a *shape* is the mirror image of the other.	Lines of symmetry
table	• Information organised in *columns* and *rows*.	**Netball: Aust v NZ** | NZ Quarters	Shooting chances	Actual goals
1st	9	9
2nd	14	13
3rd	23	20
4th	18	17	
take away	• To *subtract* or *minus*.	$5 - 2 = 3$
tally marks	• Marks used to help when counting large numbers. Drawn in bundles of 5.	⊮ ⊮ ⊮ ||| = 18
tally table	• Information represented in *columns* and *rows* using *tally marks* to count *totals*.	**Lighthouse Survey** | States	Tally	Number
Hawaii	⊮ ||||	9
Maryland	⊮	5
Virginia	|||	3
Rhode Island	||||	4	
temperature	• How hot or cold a thing is. • Temperature is measured in degrees Celsius (°C) with a *thermometer*.	40°C 30°C 20°C 10°C 0°C −10°C
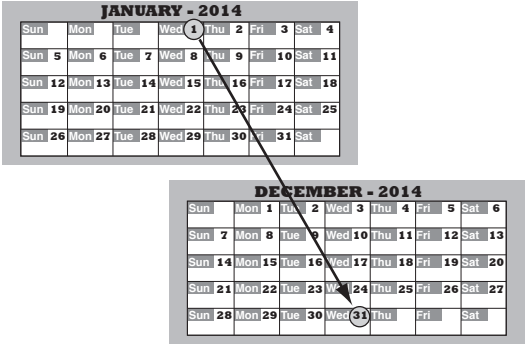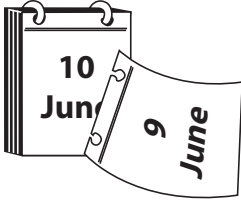
tens	• The *place value between* the *ones* and *hundreds*.		

| **tesselate** | • A repeated *shape* covering a large *area* with no gaps and no overlaps.
Example: Brick wall, tiled floor | Tessellating patterns

OR

Tessellating shapes |

| **thermometer** | • An instrument used to *measure temperature*. | |

| **third** | • The *position* after *second*. | 1st, 2nd, **3rd** ... |

| **thousands** | • The *place value between hundreds* and tens of thousands. | |

| **three dimensional (3D)** | • Able to be measured in three *directions* namely *length*, *width* and *height*. | height
width
length |

| **time** | • The progression from past to present to future. | |

today	• This *day*.	 Today is the 10th of June.
tomorrow	• The *day after today*.	 Tomorrow is the 11th of June.
total	• The *whole* lot. • The *sum* of two or more quantities.	$4 + 5 = 9$
trade	• 10 *minis* make 1 *long*.	
trapezium	• A special *2D shape*. • Two *opposite sides* are *parallel*.	or
trial and error	• To try repeatedly and learn from mistakes.	
triangle	• A *2D shape* with 3 *sides*.	
triangular prism	• A *3D shape*. Two identical triangular *bases*. All the other *faces* are *rectangles*.	
triple	• *Multiply* by three.	 Children × 3 = triplets!

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turn	• To *rotate* about a point.	
twenty-four hour time	• Time told in 24 hour lots using 4 *digits*.	Nine thirty am is 9:30 or 0930 Two thirty pm is 14:30 or1430
twice	• Two times.	 once twice
two dimensional (2D)	• Able to be measured in 2 *directions* (*length* and *width*).	width length
uncertain	• Not sure it will happen.	 It will rain tomorrow?
unit	• Another name for one. • The *smallest value between* two marks on a *scale*.	
units	• The *place value before tens*. Also called *ones*.	

For the **units** image:

Place			
Thousands	Hundreds	Tens	Units
3	*4*	*2*	*0*

Value			
3000	*400*	*20*	*0*

units of measurement	• Standard *amount* or quantity.		

Unit	Abbreviation	Examples	Used for measuring ...
• millimetre	mm	thickness of a plank of wood	LENGTH **distance** - length, width, height
• centimetre	cm	width of a photo frame	
• metre	m	length of a lap of a stadium	
• kilometre	km	distance between two cities	
• gram	g	weight of an egg	MASS **weight** - people, animals, objects
• kilogram	kg	weight of a bag of apples	
• millilitre	mL	liquid in a glass	CAPACITY **quantity** - liquids
• litre	L	liquid in a bucket	

unlikely	• Probably will not happen.	
value	• The *amount* of worth.	 5 cents
vertical line	• A *line* at *right angles* to the horizon.	
vertex	• (pl. **vertices**) The point at which two *sides* (of a *2D shape*) or three *edges* (of a *3D shape*) meet.	 2D shape 3D shape
volume	• The *amount* of space that a *3D shape* occupies.	

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week	• A *unit* of *time* equal to 7 *days*: Sunday, Monday, Tuesday, Wednesday, Thursday, Friday and Saturday.	
weekday	• One of 5 *days*: Monday, Tuesday, Wednesday, Thursday or Friday. • The working days of the week.	
weekend	• Saturday and Sunday.	
weight	• The heaviness of an object.	
west	• A compass *direction*.	W
whole	• All of something.	 1 whole lemon
whole numbers	• *Zero* and the *counting numbers* from one to .... forever (infinity).	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, ...
width	• How wide an object is. The sideways dimension.	 12 cm w = width

winter	• June, July, August. The *season after autumn*.	
year	• A *unit* of *time* equal to 365 *days*. (366 in a *leap year*).	
yesterday	• The *day before today*.	Yesterday was the 9th of June.
zero	• Nothing, nought, nil.	