SHAPE

explore and draw

Step 10 — Explore and Draw
I can identify a vertical line of symmetry in a 2D shape

Step 9 — Explore and Draw
I can reflect a simple 2D shape when given a vertical line of symmetry

Step 8 — Explore and Draw
I can reflect a simple rectangle when given a vertical line of symmetry

Step 7 — Explore and Draw
I can recognise symmetry around me

Step 6 — Explore and Draw
I can create a symmetrical picture

Step 5 — Explore and Draw
I can use shapes with purpose as I play

Step 4 — Explore and Draw
I can show interest in shapes around me

Step 3 — Explore and Draw
I can explore symmetry in my play

Step 2 — Explore and Draw
I can show interest in shapes as I play

Step 1 — Explore and Draw
I can show awareness of shapes as I play

Step 20 — Explore and Draw
I can find symmetry when shapes are in different orientations

Step 19 — Explore and Draw
I can use my knowledge of symmetry to recognise non-symmetrical shapes

Step 18 — Explore and Draw
I can recognise lines of symmetry in a variety of shapes

Step 17 — Explore and Draw
I can recognise perpendicular lines

Step 16 — Explore and Draw
I can recognise parallel lines

Step 15 — Explore and Draw
I can recognise horizontal and vertical lines

Step 14 — Explore and Draw
I can draw lines to the nearest half centimetre

Step 13 — Explore and Draw
I can draw simple shapes

Step 12 — Explore and Draw
I can draw lines to the nearest centimetre

Step 11 — Explore and Draw
I can draw straight lines

Step 30 — Explore and Draw
I can construct a triangle given two sides and the included angle, using a ruler and protractor

Step 29 — Explore and Draw
I can draw a sector of a circle (with a given diameter and angle)

Step 28 — Explore and Draw
I can accurately draw a wide range of 2D shapes

Step 27 — Explore and Draw
I can draw a circle with a given diameter

Step 26 — Explore and Draw
I can draw a circle with a given radius

Step 25 — Explore and Draw
I can use a pair of compasses to draw a circle

Step 24 — Explore and Draw
I can recognise and draw diagonal lines

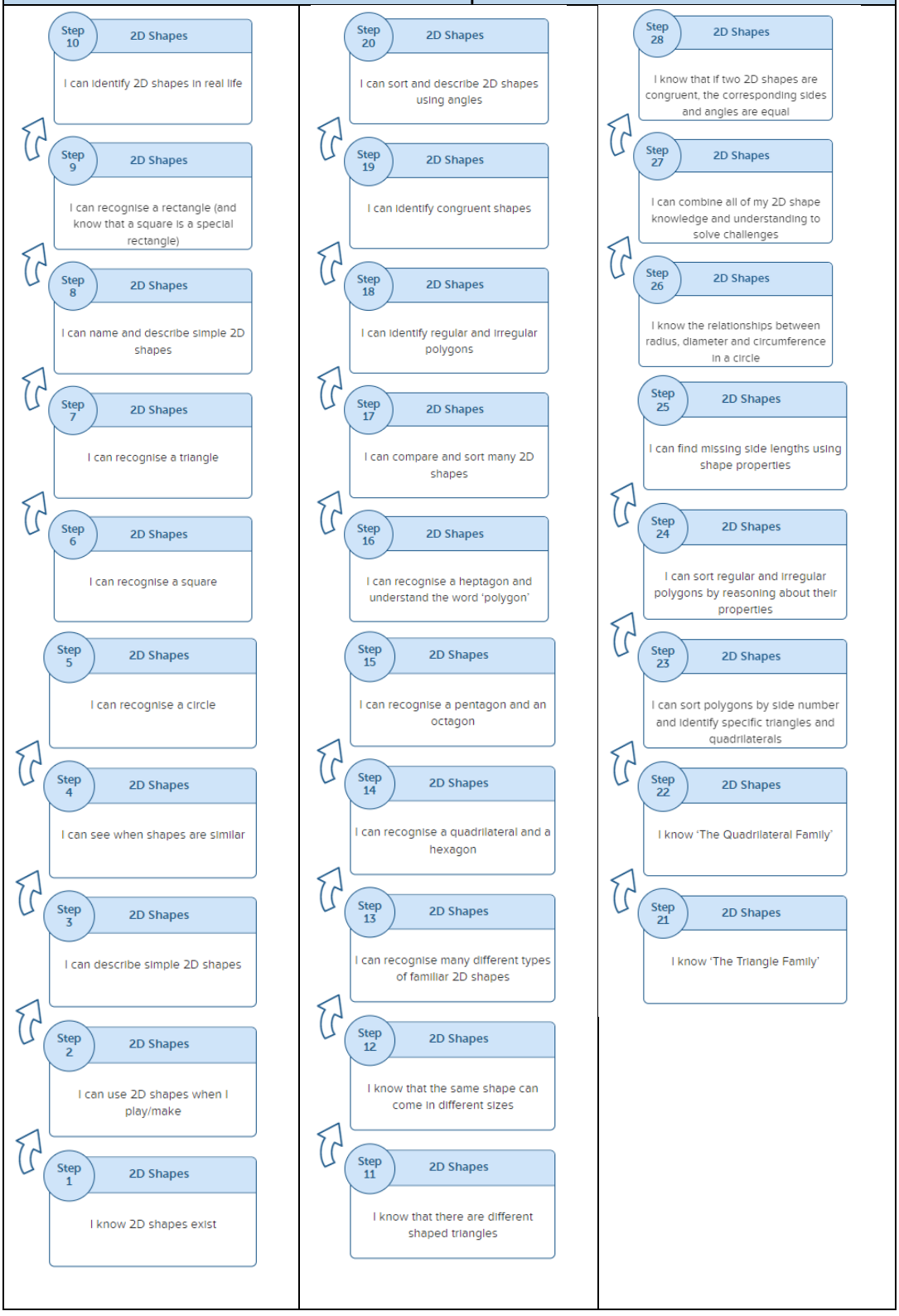
Step 23 — Explore and Draw
I can mark parallel lines accurately

Step 22 — Explore and Draw
I can draw lines to the nearest millimetre

Step 21 — Explore and Draw
I can recognise a line of symmetry even when it does not dissect the shape

SHAPE

2D shapes



SHAPE

3D shapes

Step 10 – 3D Shapes
I can recognise many different types of familiar 3D shapes

Step 9 – 3D Shapes
I know that a cube is a special cuboid

Step 8 – 3D Shapes
I can recognise a cuboid and a cylinder

Step 7 – 3D Shapes
I can identify 3D shapes in real life

Step 6 – 3D Shapes
I can describe simple 3D shapes

Step 5 – 3D Shapes
I can recognise a sphere

Step 4 – 3D Shapes
I can recognise a pyramid

Step 3 – 3D Shapes
I can recognise a cube

Step 2 – 3D Shapes
I can use 3D shapes when I play

Step 1 – 3D Shapes
I know 3D shapes exist

Step 20 – 3D Shapes
I can recognise a 'simple' net of a cube and use it to construct a cube

Step 19 – 3D Shapes
I can make 3D shapes

Step 18 – 3D Shapes
I can describe 3D shapes using measurements and types of angles

Step 17 – 3D Shapes
I can recognise the 3D shapes I know in context

Step 16 – 3D Shapes
I can compare and sort 3D shapes

Step 15 – 3D Shapes
I know 'The Prism Family'

Step 14 – 3D Shapes
I know 'The Pyramid Family'

Step 13 – 3D Shapes
I can spot 2D shapes as faces on 3D shapes

Step 12 – 3D Shapes
I can describe 3D shapes using different properties

Step 11 – 3D Shapes
I understand edges, vertices and faces

Step 30 – 3D Shapes
I can use 2D representations to visualise 3D shapes and deduce some of their properties

Step 29 – 3D Shapes
I know the relationship between the Faces (F), Vertices (V) and Edges (E) of familiar 3D shapes, i.e. F + V - E = 2

Step 28 – 3D Shapes
I can construct 3D shapes on my computer

Step 27 – 3D Shapes
I can compare and classify a wide range of 3D shapes using mathematical detail

Step 26 – 3D Shapes
I can accurately draw the nets for a range of familiar 3D shapes

Step 25 – 3D Shapes
I can accurately draw nets for cubes

Step 24 – 3D Shapes
I can tell if a net makes a shape

Step 23 – 3D Shapes
I can match a net to a 3D shape, i.e. I know if it's the right net

Step 22 – 3D Shapes
I can make a range of familiar 3D shapes given their net

Step 21 – 3D Shapes
I can recognise different nets of cubes

SHAPE

position and direction

Step 10 Position and Direction
I can understand 'clockwise' as a direction of turn

Step 9 Position and Direction
I can describe position, directions and movements

Step 8 Position and Direction
I can describe a variety of different positions, for me, others or objects as I play

Step 7 Position and Direction
I can describe my own position

Step 6 Position and Direction
I can move myself in lots of specific ways

Step 5 Position and Direction
I can follow 2-step movement instructions

Step 4 Position and Direction
I can use some early 'position talk'

Step 3 Position and Direction
I can follow 1-step movement instructions

Step 2 Position and Direction
I can follow some early 'position talk'

Step 1 Position and Direction
I can 'post' shapes

Step 20 Position and Direction
I can create my own first quadrant and plot given points

Step 19 Position and Direction
I can create my own first quadrant

Step 18 Position and Direction
I can explain the difference between grid references and coordinates

Step 17 Position and Direction
I can use x and y coordinates to find points

Step 16 Position and Direction
I can locate a point using given coordinates

Step 15 Position and Direction
I can provide coordinates for a given point

Step 14 Position and Direction
I can use simple grid references

Step 13 Position and Direction
I can use the four compass points to describe direction

Step 12 Position and Direction
I can move an object up or down a track, given the number of spaces

Step 11 Position and Direction
I can understand 'anti-clockwise' as a direction of turn

Step 30 Position and Direction
I can plot points in the second quadrant

Step 29 Position and Direction
I can reflect and translate shapes

Step 28 Position and Direction
I can reflect a shape across a vertical line, then a horizontal line

Step 27 Position and Direction
I can move a shape in both directions

Step 26 Position and Direction
I can move a shape in one direction

Step 25 Position and Direction
I can move a point horizontally and vertically

Step 24 Position and Direction
I can move a point vertically by a specified distance

Step 23 Position and Direction
I can move a point horizontally by a specified distance

Step 22 Position and Direction
I can describe the pattern of coordinates

Step 21 Position and Direction
I can draw a simple 2D shape from given coordinates

Step 38 Position and Direction
I can find missing coordinates when a shape is rotated around a fixed point away from the shape

Step 37 Position and Direction
I can find missing coordinates when a shape is rotated around a vertex

Step 36 Position and Direction
I can find missing coordinates for a variety of shapes (without drawing the shape)

Step 35 Position and Direction
I can find missing coordinates for a variety of shapes (by drawing the shape to help)

Step 34 Position and Direction
I can reflect shapes in the x axis

Step 33 Position and Direction
I can reflect shapes in the y axis

Step 32 Position and Direction
I can plot shapes that overlap into different quadrants

Step 31 Position and Direction
I can plot points in the third and fourth quadrant

AMOUNTS

amounts of distance

Step 10 Amounts of Distance
I can choose to count in metres or centimetres by seeing what makes most sense

Step 9 Amounts of Distance
I can measure distance using centimetres

Step 8 Amounts of Distance
I can measure distance using metres

Step 7 Amounts of Distance
I can compare descriptions of distance in practical contexts and record the comparisons with symbols

Step 6 Amounts of Distance
I can compare amounts of distance, using words and numbers, in lots of different practical contexts

Step 5 Amounts of Distance
I can compare amounts of distance by counting

Step 4 Amounts of Distance
I can compare 3 different amounts of distance

Step 3 Amounts of Distance
I can compare 2 different amounts of distance

Step 2 Amounts of Distance
I can describe an object as tall or short

Step 1 Amounts of Distance
I can show awareness of size

Step 20 Amounts of Distance
I can find the perimeter in a variety of 2D shapes

Step 19 Amounts of Distance
I can calculate to find the perimeter

Step 18 Amounts of Distance
I can measure to find a perimeter

Step 17 Amounts of Distance
I can count to find a perimeter

Step 16 Amounts of Distance
I know what the perimeter is

Step 15 Amounts of Distance
I can change an amount of distance to make it 3, 4 or 5 times bigger

Step 14 Amounts of Distance
I can calculate in the context of measuring distance

Step 13 Amounts of Distance
I know my millimetre Learn It: 1cm = 10mm

Step 12 Amounts of Distance
I know my metre Learn It: 1m = 100cm

Step 11 Amounts of Distance
I can measure distance accurately using metres and centimetres

Step 30 Amounts of Distance
I can identify and measure the diameter of a circle

Step 29 Amounts of Distance
I can convert kilometres and metres in both directions and to 3dp, and use in context

Step 28 Amounts of Distance
I know about imperial units for distance

Step 27 Amounts of Distance
I can convert kilometres and metres in both directions and to 3dp

Step 26 Amounts of Distance
I can use the total perimeter to find missing side lengths

Step 25 Amounts of Distance
I can find the perimeter of compound shapes

Step 24 Amounts of Distance
I can express perimeter through algebra

Step 23 Amounts of Distance
I can measure and record distances to the nearest millimetre

Step 22 Amounts of Distance
I can convert kilometres to metres

Step 21 Amounts of Distance
I know my kilometre Learn It: 1km = 1000m

Step 38 Amounts of Distance
I can calculate time from knowing speed and distance

Step 37 Amounts of Distance
I can calculate distance from knowing speed and time

Step 36 Amounts of Distance
I can calculate speed from knowing time and distance

Step 35 Amounts of Distance
I can find time from a given speed and a range of distances

Step 34 Amounts of Distance
I can find distances from a given speed and a range of times

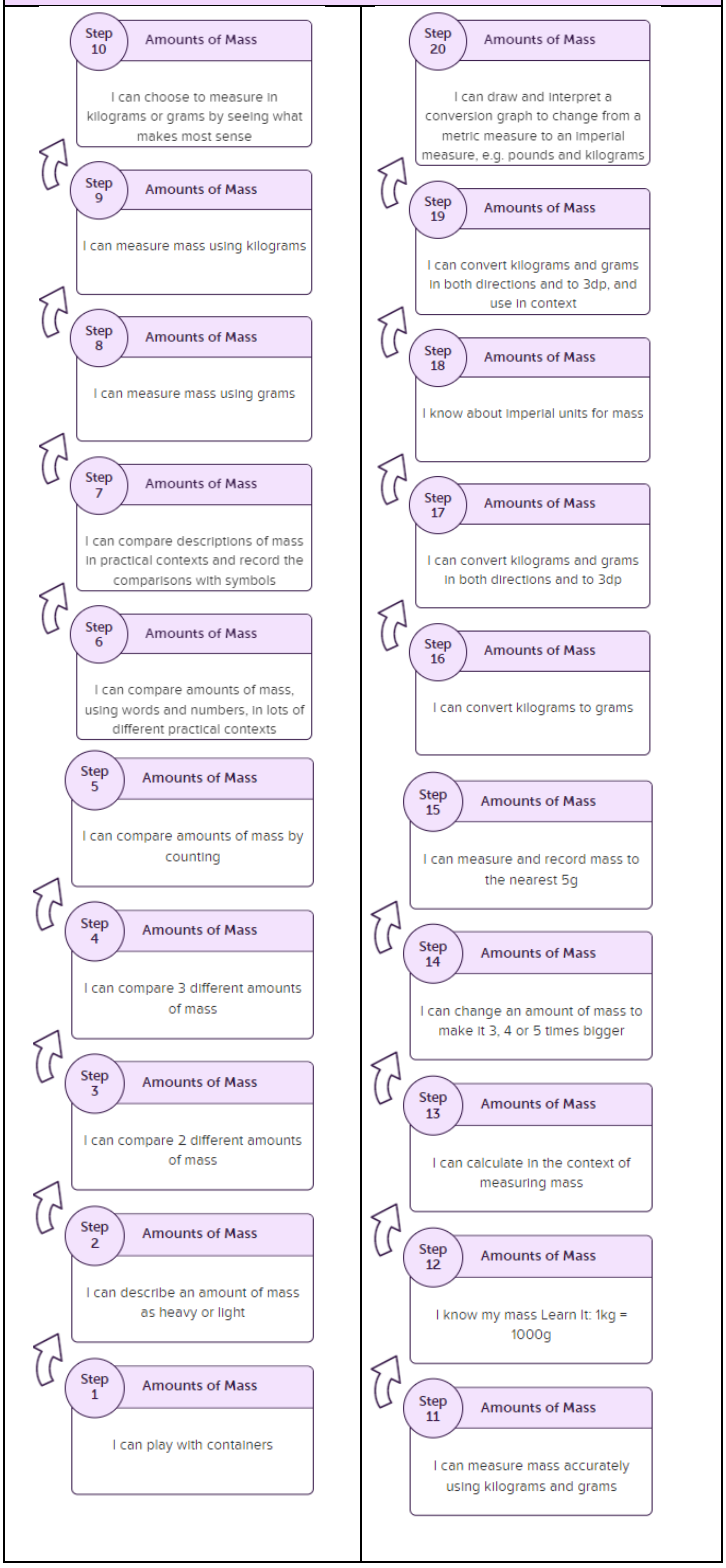
Step 33 Amounts of Distance
I can find the circumference by knowing the radius or diameter

Step 32 Amounts of Distance
I know what a circumference is and how it relates to diameter

Step 31 Amounts of Distance
I can identify and measure the radius of a circle

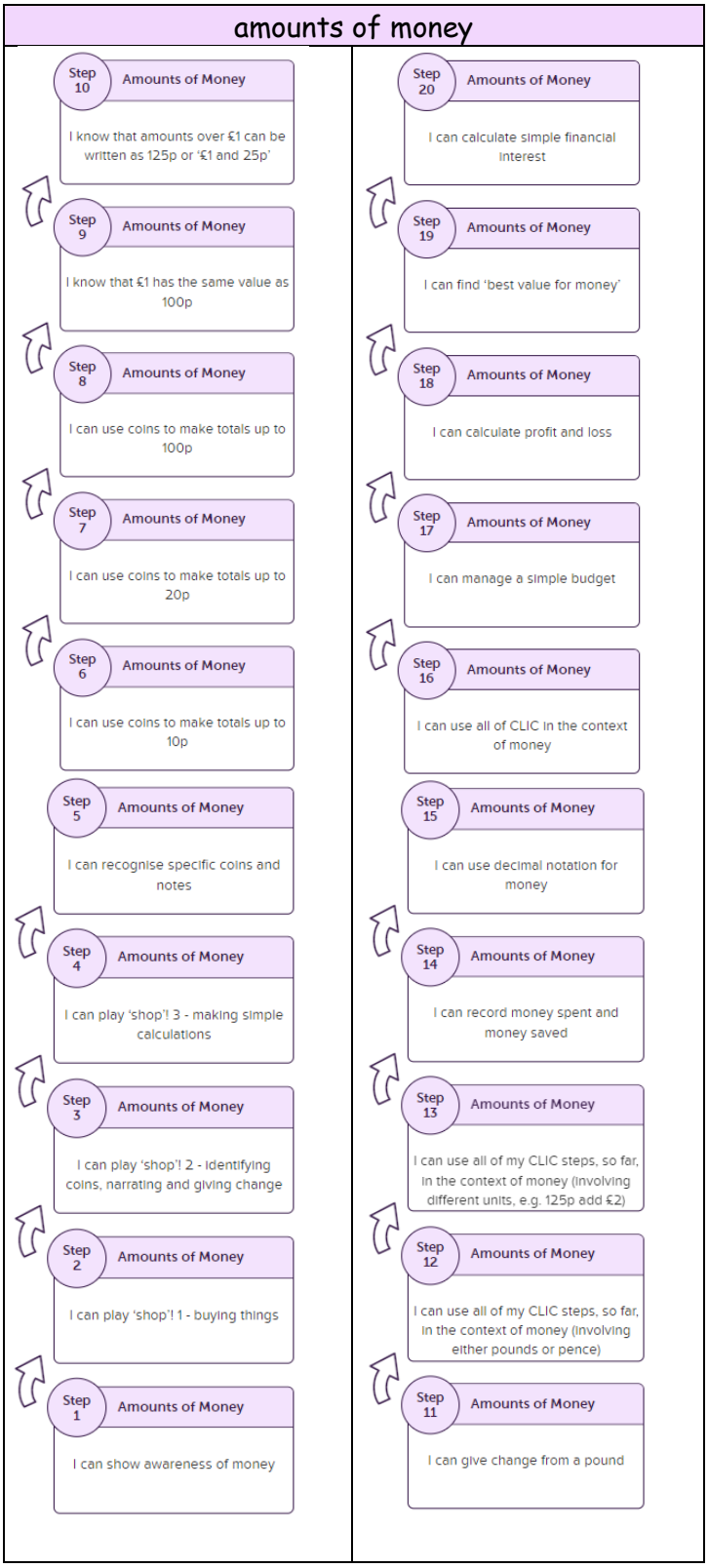
AMOUNTS

amounts of mass



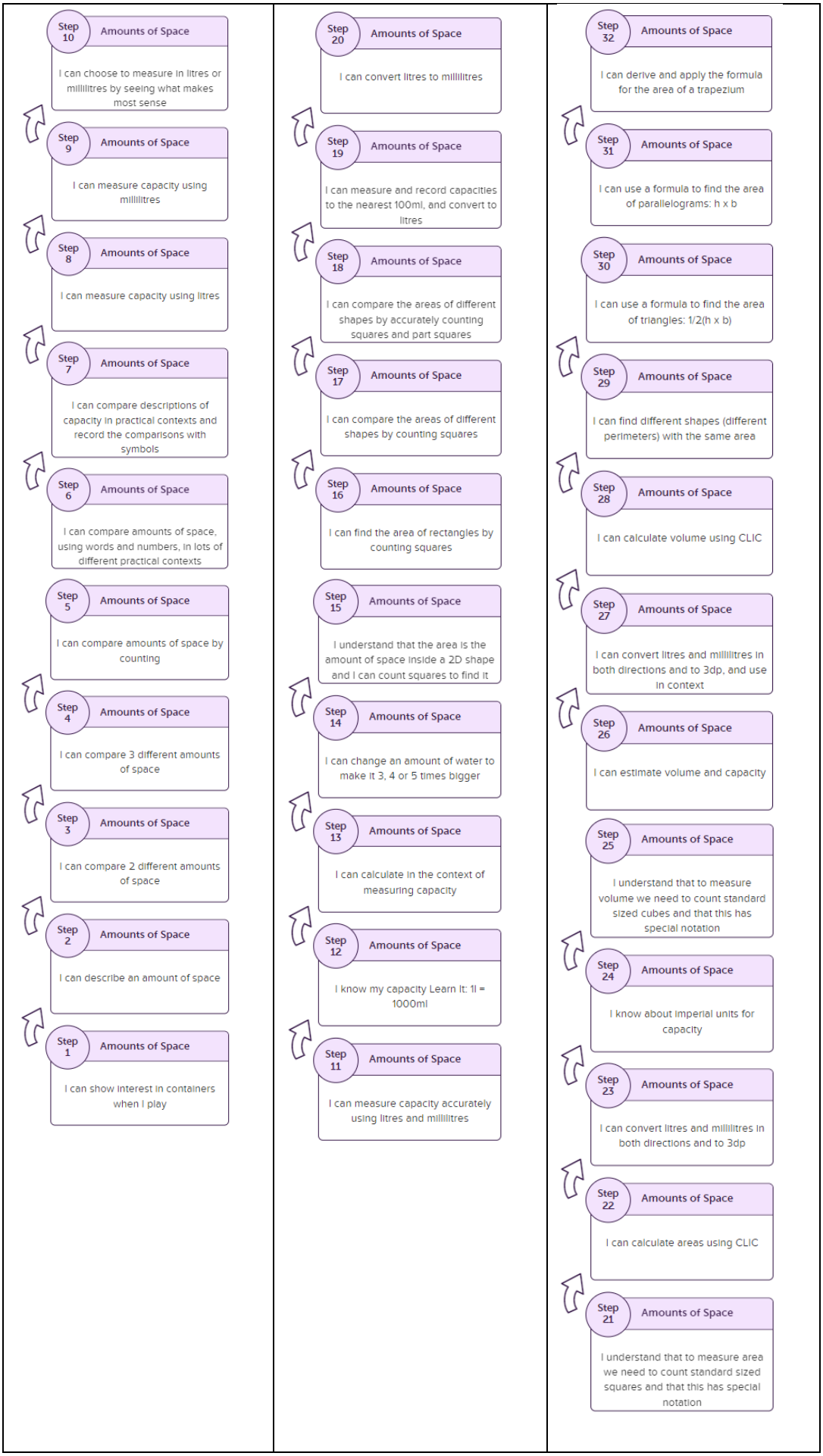
AMOUNTS

amounts of money



AMOUNTS

amounts of space


Step 1
Amounts of Space
I can show interest in containers when I play
Step 2
Amounts of Space
I can describe an amount of space
Step 3
Amounts of Space
I can compare 2 different amounts of space
Step 4
Amounts of Space
I can compare 3 different amounts of space
Step 5
Amounts of Space
I can compare amounts of space by counting
Step 6
Amounts of Space
I can compare amounts of space, using words and numbers, in lots of different practical contexts
Step 7
Amounts of Space
I can compare descriptions of capacity in practical contexts and record the comparisons with symbols
Step 8
Amounts of Space
I can measure capacity using litres
Step 9
Amounts of Space
I can measure capacity using millilitres
Step 10
Amounts of Space
I can choose to measure in litres or millilitres by seeing what makes most sense
Step 11
Amounts of Space
I can measure capacity accurately using litres and millilitres
Step 12
Amounts of Space
I know my capacity Learn it: 1l = 1000ml
Step 13
Amounts of Space
I can calculate in the context of measuring capacity
Step 14
Amounts of Space
I can change an amount of water to make it 3, 4 or 5 times bigger
Step 15
Amounts of Space
I understand that the area is the amount of space inside a 2D shape and I can count squares to find it
Step 16
Amounts of Space
I can find the area of rectangles by counting squares
Step 17
Amounts of Space
I can compare the areas of different shapes by counting squares
Step 18
Amounts of Space
I can compare the areas of different shapes by accurately counting squares and part squares
Step 19
Amounts of Space
I can measure and record capacities to the nearest 100ml, and convert to litres
Step 20
Amounts of Space
I can convert litres to millilitres
Step 21
Amounts of Space
I understand that to measure area we need to count standard sized squares and that this has special notation
Step 22
Amounts of Space
I can calculate areas using CLIC
Step 23
Amounts of Space
I can convert litres and millilitres in both directions and to 3dp
Step 24
Amounts of Space
I know about imperial units for capacity
Step 25
Amounts of Space
I understand that to measure volume we need to count standard sized cubes and that this has special notation
Step 26
Amounts of Space
I can estimate volume and capacity
Step 27
Amounts of Space
I can convert litres and millilitres in both directions and to 3dp, and use in context
Step 28
Amounts of Space
I can calculate volume using CLIC
Step 29
Amounts of Space
I can find different shapes (different perimeters) with the same area
Step 30
Amounts of Space
I can use a formula to find the area of triangles: 1/2(h x b)
Step 31
Amounts of Space
I can use a formula to find the area of parallelograms: h x b
Step 32
Amounts of Space
I can derive and apply the formula for the area of a trapezium

AMOUNTS

amounts of temperature

Step 10 mounts of Temperature

I can find negative values for temperatures by counting

Step 9 mounts of Temperature

I can read negative temperatures

Step 8 mounts of Temperature

I can use a range of thermometers to measure the temperature

Step 7 mounts of Temperature

I know that we measure temperature in degrees Celsius

Step 6 mounts of Temperature

I can use a thermometer to measure the temperature

Step 5 mounts of Temperature

I can use a range of words to describe temperature

Step 4 mounts of Temperature

I understand hotter and colder

Step 3 mounts of Temperature

I can compare hot to cold

Step 2 mounts of Temperature

I understand the word cold

Step 1 mounts of Temperature

I understand the word hot

Step 18 mounts of Temperature

I can convert a temperature in degrees Fahrenheit (°F) to degrees Celsius (°C) using the formula: C = (F - 32) x 1.8

Step 17 mounts of Temperature

I can convert a temperature in degrees Celsius (°C) to degrees Fahrenheit (°F) using the formula: F = (C x 1.8) + 32

Step 16 mounts of Temperature

I can decrease a temperature by a given amount (including through zero)

Step 15 mounts of Temperature

I can increase a temperature by a given amount (including through zero)

Step 14 mounts of Temperature

I can find temperature differences between a positive and a negative number

Step 13 mounts of Temperature

I can find temperature differences (negative numbers)

Step 12 mounts of Temperature

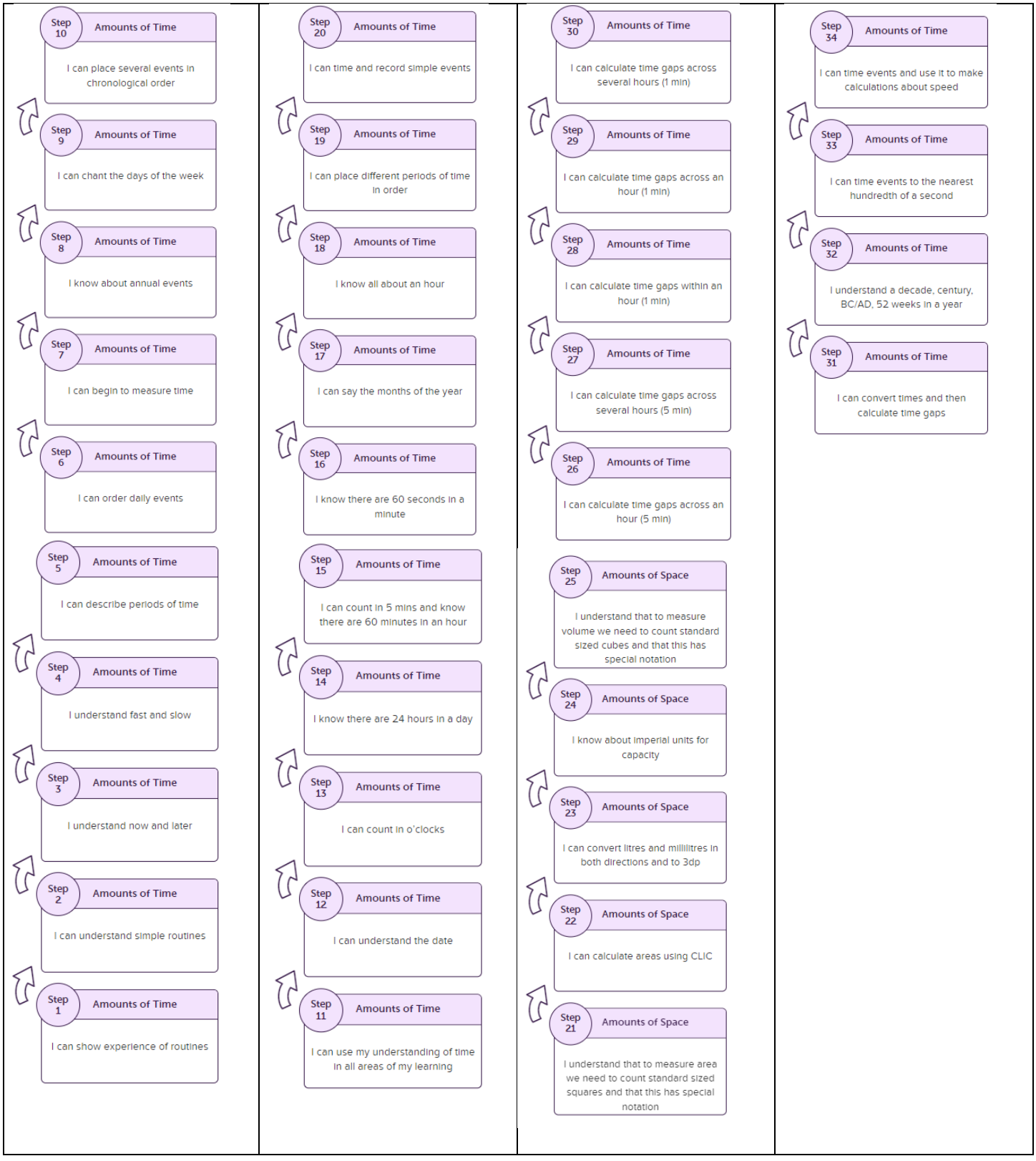
I can find temperature differences (positive numbers)

Step 11 mounts of Temperature

I can understand and use degrees Celsius

AMOUNTS

amounts of time


Step 10
Amounts of Time
I can place several events in chronological order
Step 9
Amounts of Time
I can chant the days of the week
Step 8
Amounts of Time
I know about annual events
Step 7
Amounts of Time
I can begin to measure time
Step 6
Amounts of Time
I can order daily events
Step 5
Amounts of Time
I can describe periods of time
Step 4
Amounts of Time
I understand fast and slow
Step 3
Amounts of Time
I understand now and later
Step 2
Amounts of Time
I can understand simple routines
Step 1
Amounts of Time
I can show experience of routines
Step 20
Amounts of Time
I can time and record simple events
Step 19
Amounts of Time
I can place different periods of time in order
Step 18
Amounts of Time
I know all about an hour
Step 17
Amounts of Time
I can say the months of the year
Step 16
Amounts of Time
I know there are 60 seconds in a minute
Step 15
Amounts of Time
I can count in 5 mins and know there are 60 minutes in an hour
Step 14
Amounts of Time
I know there are 24 hours in a day
Step 13
Amounts of Time
I can count in o'clocks
Step 12
Amounts of Time
I can understand the date
Step 11
Amounts of Time
I can use my understanding of time in all areas of my learning
Step 30
Amounts of Time
I can calculate time gaps across several hours (1 min)
Step 29
Amounts of Time
I can calculate time gaps across an hour (1 min)
Step 28
Amounts of Time
I can calculate time gaps within an hour (1 min)
Step 27
Amounts of Time
I can calculate time gaps across several hours (5 min)
Step 26
Amounts of Time
I can calculate time gaps across an hour (5 min)
Step 25
Amounts of Space
I understand that to measure volume we need to count standard sized cubes and that this has special notation
Step 24
Amounts of Space
I know about imperial units for capacity
Step 23
Amounts of Space
I can convert litres and millilitres in both directions and to 3dp
Step 22
Amounts of Space
I can calculate areas using CLIC
Step 21
Amounts of Space
I understand that to measure area we need to count standard sized squares and that this has special notation
Step 34
Amounts of Time
I can time events and use it to make calculations about speed
Step 33
Amounts of Time
I can time events to the nearest hundredth of a second
Step 32
Amounts of Time
I understand a decade, century, BC/AD, 52 weeks in a year
Step 31
Amounts of Time
I can convert times and then calculate time gaps

AMOUNTS

amounts of time: telling the time

Step 10 ounts of Time: Telling the Time
I can read quarter past and quarter to on a digital clock

Step 9 ounts of Time: Telling the Time
I can say how long until o'clock

Step 8 ounts of Time: Telling the Time
I can tell the time!

Step 7 ounts of Time: Telling the Time
I can count in 5s around a clock face

Step 6 ounts of Time: Telling the Time
I can read a digital clock

Step 5 ounts of Time: Telling the Time
I can read, write and draw quarter past and quarter to

Step 4 ounts of Time: Telling the Time
I can read, write and draw half past

Step 3 ounts of Time: Telling the Time
I can describe the time using the nearest o'clock

Step 2 ounts of Time: Telling the Time
I can write o'clock times

Step 1 ounts of Time: Telling the Time
I can read o'clock times

Step 18 ounts of Time: Telling the Time
I can recognise years written in Roman numerals

Step 17 ounts of Time: Telling the Time
I can read Roman numerals to 100

Step 16 ounts of Time: Telling the Time
I can convert time from 24 hour clock to analogue

Step 15 ounts of Time: Telling the Time
I can convert time from analogue to 24 hour clock

Step 14 ounts of Time: Telling the Time
I can read a 24 hour clock

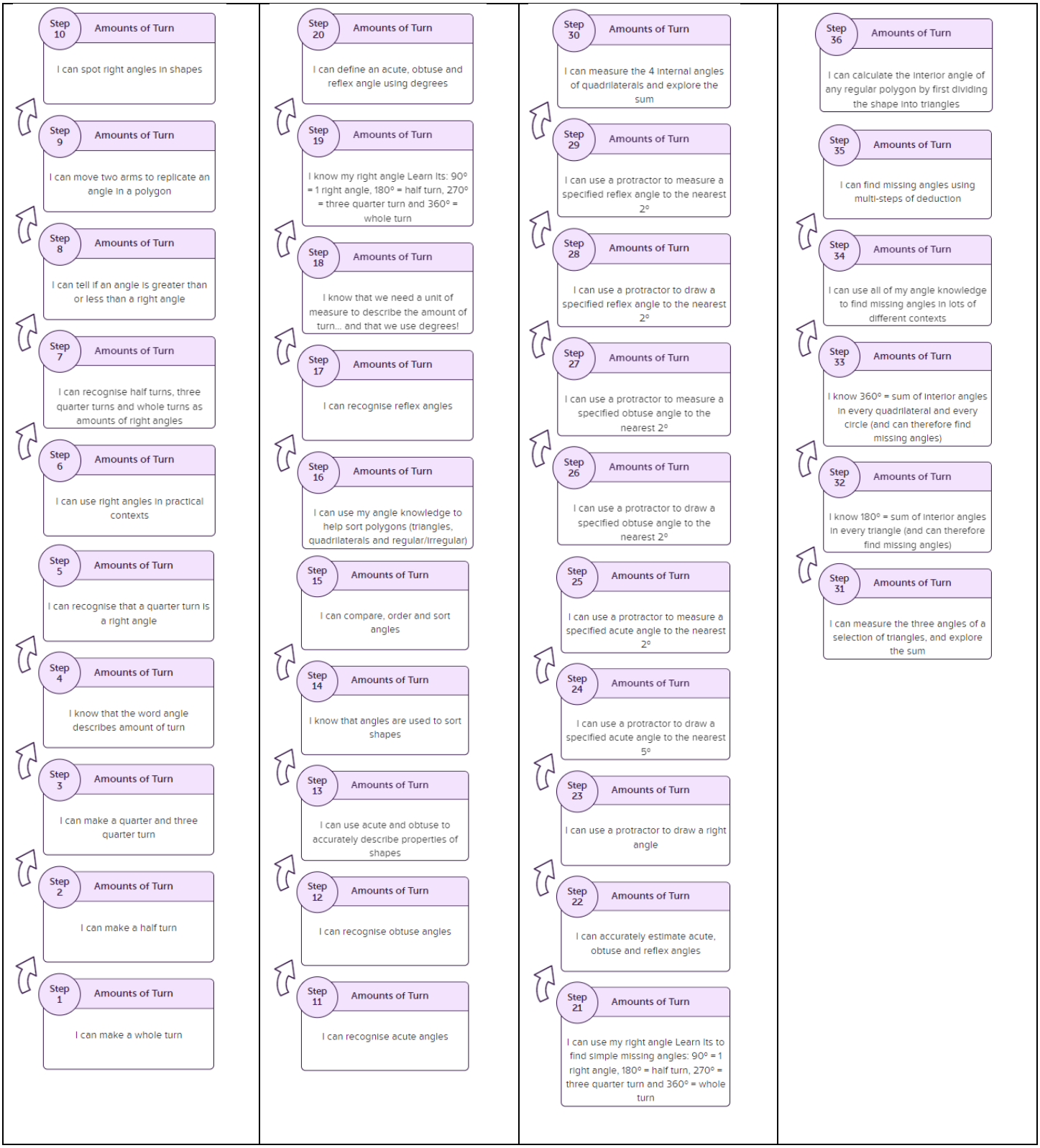
Step 13 ounts of Time: Telling the Time
I understand am and pm

Step 12 ounts of Time: Telling the Time
I can tell the time with Roman numerals

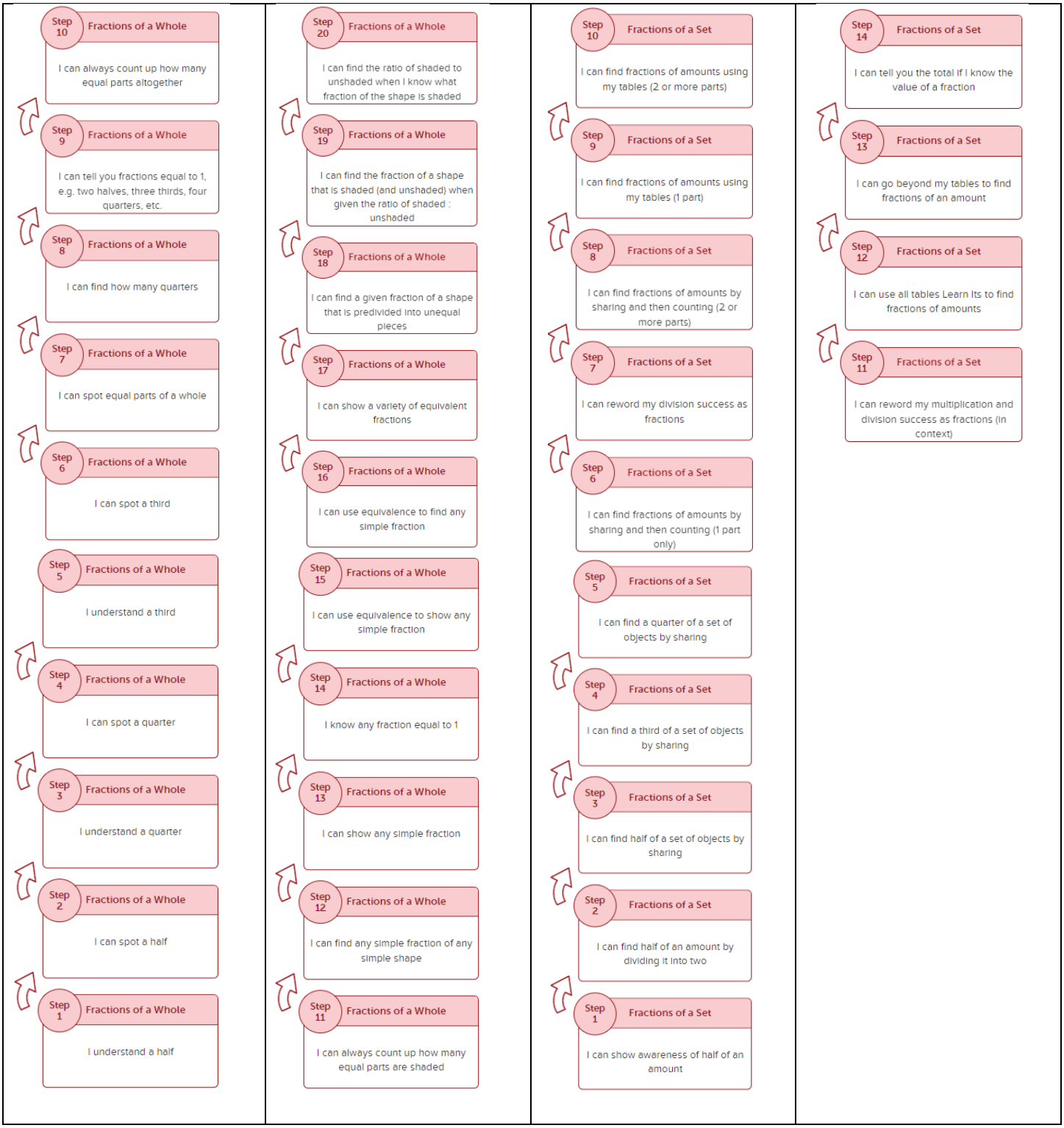
Step 11 ounts of Time: Telling the Time
I can tell the time to the nearest minute

AMOUNTS

amounts of turn



FRACTIONS	
fractions of a whole	fractions of a set


Step 10
Fractions of a Whole
I can always count up how many equal parts altogether
Step 9
Fractions of a Whole
I can tell you fractions equal to 1, e.g. two halves, three thirds, four quarters, etc.
Step 8
Fractions of a Whole
I can find how many quarters
Step 7
Fractions of a Whole
I can spot equal parts of a whole
Step 6
Fractions of a Whole
I can spot a third
Step 5
Fractions of a Whole
I understand a third
Step 4
Fractions of a Whole
I can spot a quarter
Step 3
Fractions of a Whole
I understand a quarter
Step 2
Fractions of a Whole
I can spot a half
Step 1
Fractions of a Whole
I understand a half
Step 20
Fractions of a Whole
I can find the ratio of shaded to unshaded when I know what fraction of the shape is shaded
Step 19
Fractions of a Whole
I can find the fraction of a shape that is shaded (and unshaded) when given the ratio of shaded : unshaded
Step 18
Fractions of a Whole
I can find a given fraction of a shape that is predivided into unequal pieces
Step 17
Fractions of a Whole
I can show a variety of equivalent fractions
Step 16
Fractions of a Whole
I can use equivalence to find any simple fraction
Step 15
Fractions of a Whole
I can use equivalence to show any simple fraction
Step 14
Fractions of a Whole
I know any fraction equal to 1
Step 13
Fractions of a Whole
I can show any simple fraction
Step 12
Fractions of a Whole
I can find any simple fraction of any simple shape
Step 11
Fractions of a Whole
I can always count up how many equal parts are shaded
Step 10
Fractions of a Set
I can find fractions of amounts using my tables (2 or more parts)
Step 9
Fractions of a Set
I can find fractions of amounts using my tables (1 part)
Step 8
Fractions of a Set
I can find fractions of amounts by sharing and then counting (2 or more parts)
Step 7
Fractions of a Set
I can reword my division success as fractions
Step 6
Fractions of a Set
I can find fractions of amounts by sharing and then counting (1 part only)
Step 5
Fractions of a Set
I can find a quarter of a set of objects by sharing
Step 4
Fractions of a Set
I can find a third of a set of objects by sharing
Step 3
Fractions of a Set
I can find half of a set of objects by sharing
Step 2
Fractions of a Set
I can find half of an amount by dividing it into two
Step 1
Fractions of a Set
I can show awareness of half of an amount
Step 14
Fractions of a Set
I can tell you the total if I know the value of a fraction
Step 13
Fractions of a Set
I can go beyond my tables to find fractions of an amount
Step 12
Fractions of a Set
I can use all tables Learn its to find fractions of amounts
Step 11
Fractions of a Set
I can reword my multiplication and division success as fractions (in context)

FRACTIONS

fractions: counting

- Step 10 — Fractions: Counting — I can place the fractions I know on a number line
- Step 9 — Fractions: Counting — I can compare and order fractions with the same denominator
- Step 8 — Fractions: Counting — I can record my tenths with decimals too
- Step 7 — Fractions: Counting — I can count in tenths
- Step 6 — Fractions: Counting — I can count in thirds
- Step 5 — Fractions: Counting — I can count in quarters and record as halves
- Step 4 — Fractions: Counting — I can count in quarters
- Step 3 — Fractions: Counting — I can count in halves and record as a mixed number and improper fraction
- Step 2 — Fractions: Counting — I can count in halves and record my counting as a mixed number
- Step 1 — Fractions: Counting — I can count in halves
- Step 20 — Fractions: Counting — I know that counting in hundredths is counting percentages
- Step 19 — Fractions: Counting — I can count in thousandths
- Step 18 — Fractions: Counting — I can identify fractions less than 1, more than 1 or equal to 1
- Step 17 — Fractions: Counting — I can round numbers with 2dp
- Step 16 — Fractions: Counting — I can record my hundredths with decimals too
- Step 15 — Fractions: Counting — I can count in hundredths
- Step 14 — Fractions: Counting — I can count in fractions of any denominator
- Step 13 — Fractions: Counting — I can count in fifths
- Step 12 — Fractions: Counting — I can round numbers with 1dp
- Step 11 — Fractions: Counting — I can compare and order fractions with different denominators

fractions: learn its

- Step 10 — Fractions: Learn Its — I know all of my percentage Learn Its
- Step 9 — Fractions: Learn Its — I know 1/3 = 0.33333 recurring
- Step 8 — Fractions: Learn Its — I know 1/5 = 0.2, 2/5 = 0.4, 3/5 = 0.6, 4/5 = 0.8
- Step 7 — Fractions: Learn Its — I know 1/2 = 0.5, 1/10 = 0.1, 1/4 = 0.25, 3/4 = 0.75, 1/100 = 0.01
- Step 6 — Fractions: Learn Its — I know all of my tables as fractions Learn Its
- Step 5 — Fractions: Learn Its — I know all of my x3, x4 and x8 tables as fractions Learn Its
- Step 4 — Fractions: Learn Its — I know all of my x2, x5 and x10 tables as fractions Learn Its
- Step 3 — Fractions: Learn Its — I can quickly write out my fractions Learn Its: 1/2 of 10 = 5, 1/2 of 8 = 4, 1/2 of 6 = 3, 1/2 of 4 = 2, 1/2 of 2 = 1
- Step 2 — Fractions: Learn Its — I know 1/2 = 2/4
- Step 1 — Fractions: Learn Its — I know my finger doubles as fractions Learn Its

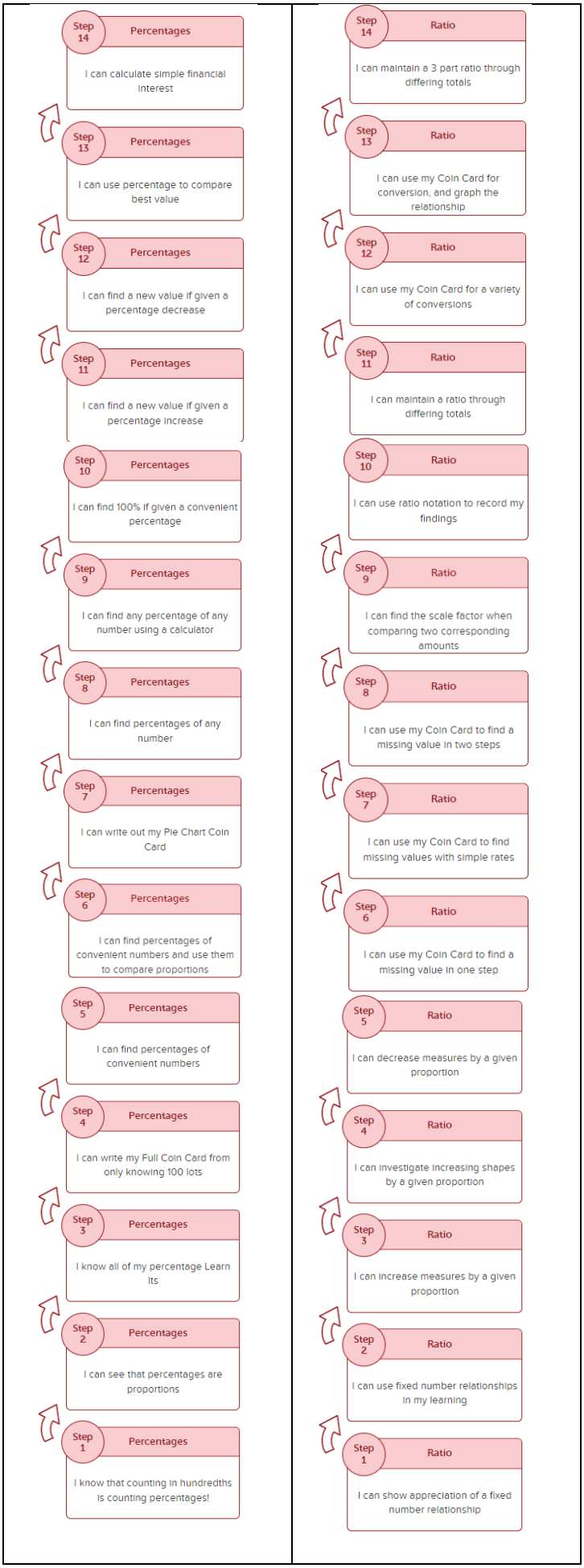
fractions: it's nothing new

- Step 8 — actions: It's Nothing New — I can use Smile Multiplication for fractions
- Step 7 — actions: It's Nothing New — I can multiply unit fractions (beyond 1)
- Step 6 — actions: It's Nothing New — I can multiply unit fractions (within 1)
- Step 5 — actions: It's Nothing New — I can add and subtract fractions with the same denominator (beyond 1)
- Step 4 — actions: It's Nothing New — I can add and subtract fractions with the same denominator (within 1)
- Step 3 — actions: It's Nothing New — I can add and subtract halves, quarters and thirds
- Step 2 — actions: It's Nothing New — I can add halves
- Step 1 — actions: It's Nothing New — I can swap 'the thing' to a fraction

FRACTIONS

fractions: calculation

FRACTIONS	
percentages	ratio



EXPLAINING DATA

diagrams and tables

EXPLAINING DATA			
bar charts	averages	line graphs	pie charts

Step 12 — Bar Charts
I can find how many between two given values shown on the horizontal axis (with continuous data)

Step 11 — Bar Charts
I can draw a bar chart with continuous data

Step 10 — Bar Charts
I can find how many more (or fewer) than a given value shown on the horizontal axis (with continuous data)

Step 9 — Bar Charts
I can compare subsets and explain what this tells us

Step 8 — Bar Charts
I can find how many altogether

Step 7 — Bar Charts
I can find how many in a subset

Step 6 — Bar Charts
I can draw a 1:2 scale bar chart

Step 5 — Bar Charts
I can explain a 1:2 scale bar chart

Step 4 — Bar Charts
I can draw a 1:1 scale bar chart

Step 3 — Bar Charts
I can read a bar chart

Step 2 — Bar Charts
I can explain counting towers

Step 1 — Bar Charts
I can build counting towers

Step 14 — Averages
I can find numbers that satisfy conditions given the number of items in the set (n) and the mean, median and mode of the set

Step 13 — Averages
I can find numbers that satisfy conditions given the number of items in the set (n) and the mean of the set

Step 12 — Averages
I can compare two sets of data and explain the features of each

Step 11 — Averages
I know when and why the median is useful to explain data

Step 10 — Averages
I can find the median value for a set of data

Step 9 — Averages
I know when and why the mode is useful to explain data

Step 8 — Averages
I can find the mode value for a set of data

Step 7 — Averages
I know when and why the mean is useful to explain data

Step 6 — Averages
I can find the mean value for a set of data

Step 5 — Averages
I know when and why a range is useful to explain data

Step 4 — Averages
I can tell you the difference between the highest value and the lowest value

Step 3 — Averages
I can tell you the difference between the highest value and the lowest value

Step 2 — Averages
I can tell you the highest value from a set of data

Step 1 — Averages
I can tell you the lowest value from a set of data

Step 10 — Line Graphs
I can draw a line of best fit

Step 9 — Line Graphs
I can use coordinates to show non-linear relationships too

Step 8 — Line Graphs
I can use a line graph to find missing values

Step 7 — Line Graphs
I can use line graphs to show relationships between two variables in other subjects

Step 6 — Line Graphs
I can use a line graph to answer a range of information questions

Step 5 — Line Graphs
I can use a line graph to explain a simple ratio

Step 4 — Line Graphs
I can use coordinates to explain line graphs

Step 3 — Line Graphs
I can explain a range of simple line graphs

Step 2 — Line Graphs
I can track my own Big Maths Beat That! scores with a line graph

Step 1 — Line Graphs
I can track my own Big Maths Beat That! scores with a block graph

Step 12 — Pie Charts
I can analyse data given on a pie chart and a bar chart

Step 11 — Pie Charts
I can use my Pie Chart Coin Card to find angles from percentages... and draw the pie chart!

Step 10 — Pie Charts
I can find missing angles, given the proportional value and the total value... and draw the pie chart!

Step 9 — Pie Charts
I can convert proportions to percentages, and then to angles

Step 8 — Pie Charts
I can use my Pie Chart Coin Card to find percentages from angles

Step 7 — Pie Charts
I can use my Pie Chart Coin Card to find angles from percentages

Step 6 — Pie Charts
I can write out my Pie Chart Coin Card

Step 5 — Pie Charts
I can find missing proportional values given the angle and the total value

Step 4 — Pie Charts
I can find missing angles, given the proportional value and the total value

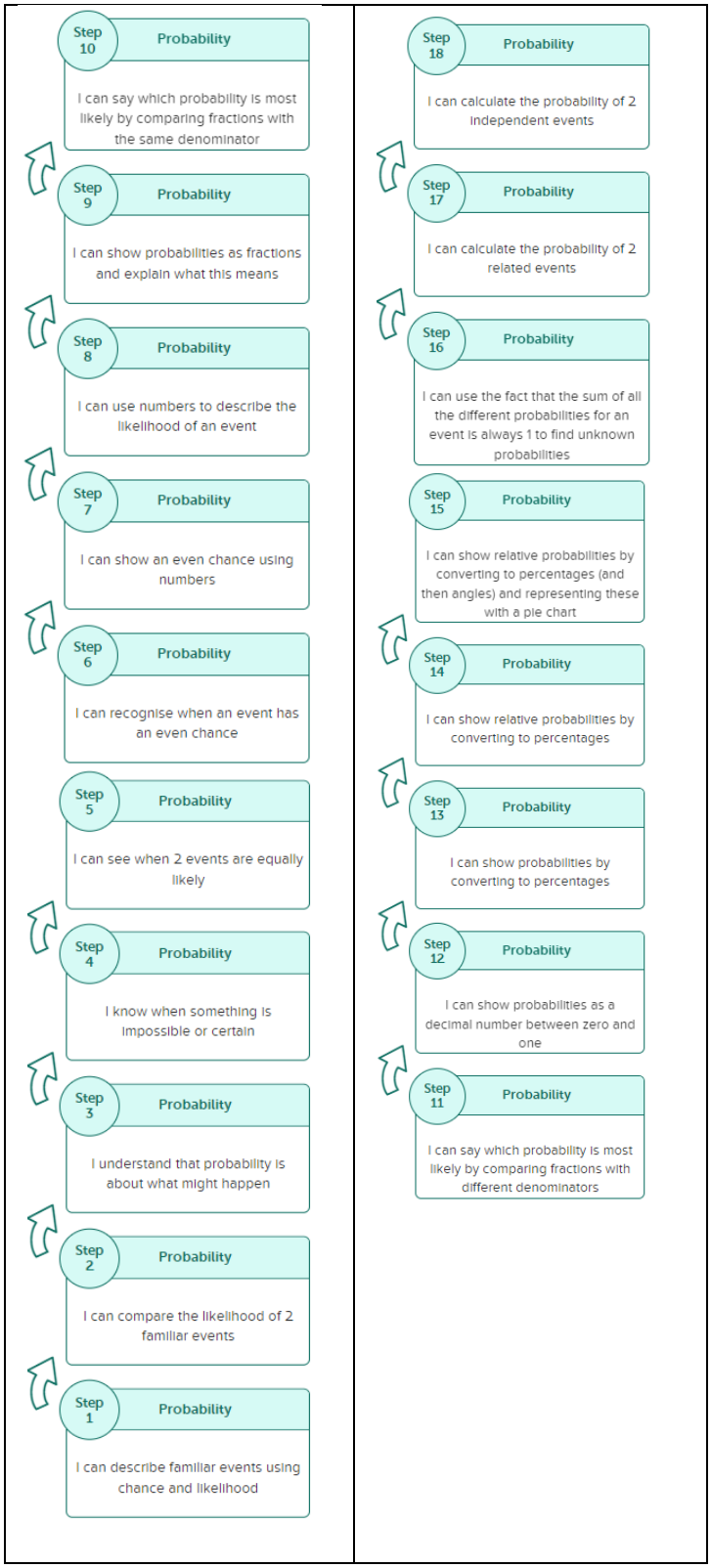
Step 3 — Pie Charts
I can use missing percentages or proportions to provide missing values

Step 2 — Pie Charts
I can find missing values, percentages or proportions

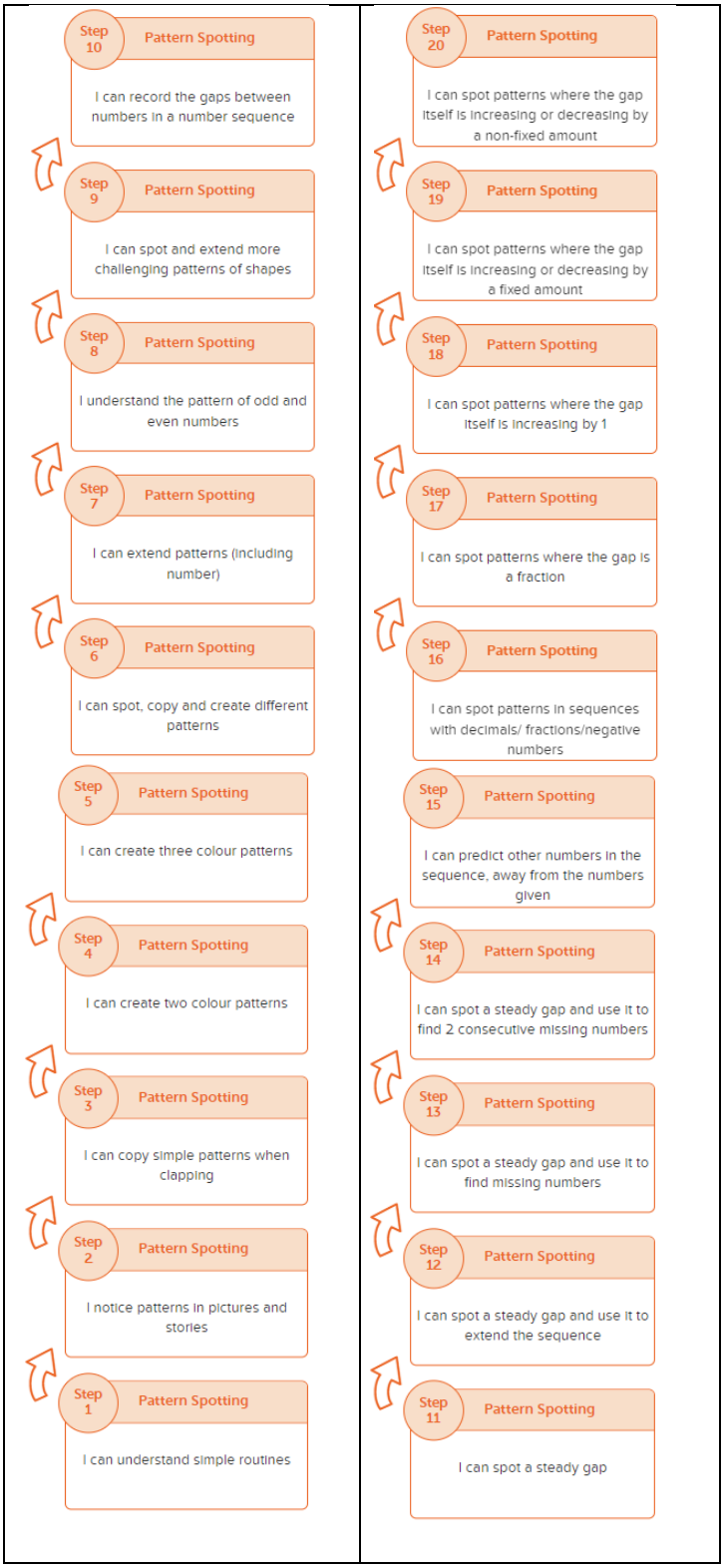
Step 1 — Pie Charts
I can explain simple pie charts using my knowledge of fractions of a circle

EXPLAINING DATA

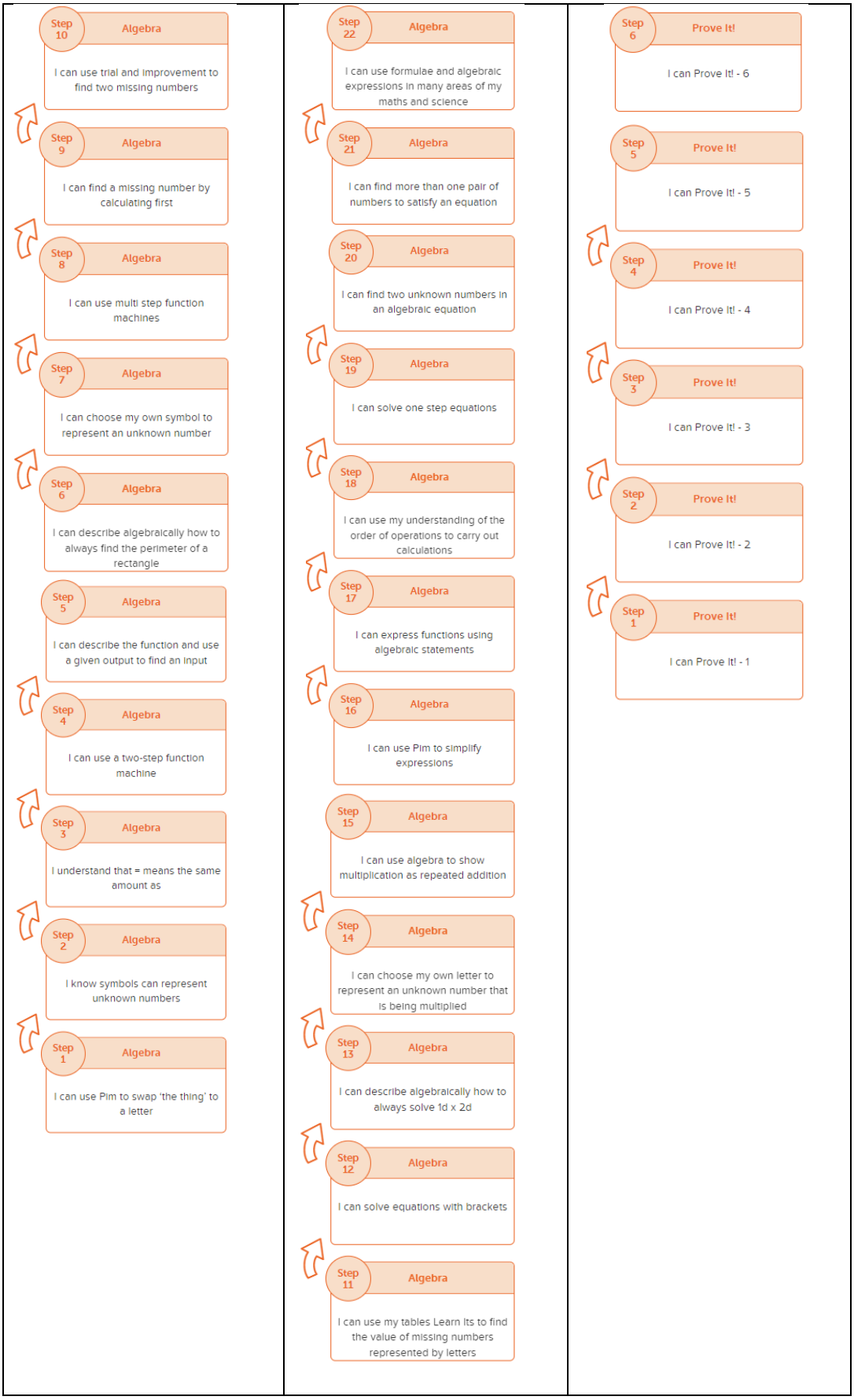
probability



DANGEROUS MATHS
pattern spotting



DANGEROUS MATHS	
algebra	prove it


Step 10
Algebra
I can use trial and improvement to find two missing numbers
Step 9
Algebra
I can find a missing number by calculating first
Step 8
Algebra
I can use multi step function machines
Step 7
Algebra
I can choose my own symbol to represent an unknown number
Step 6
Algebra
I can describe algebraically how to always find the perimeter of a rectangle
Step 5
Algebra
I can describe the function and use a given output to find an input
Step 4
Algebra
I can use a two-step function machine
Step 3
Algebra
I understand that = means the same amount as
Step 2
Algebra
I know symbols can represent unknown numbers
Step 1
Algebra
I can use Pim to swap 'the thing' to a letter
Step 22
Algebra
I can use formulae and algebraic expressions in many areas of my maths and science
Step 21
Algebra
I can find more than one pair of numbers to satisfy an equation
Step 20
Algebra
I can find two unknown numbers in an algebraic equation
Step 19
Algebra
I can solve one step equations
Step 18
Algebra
I can use my understanding of the order of operations to carry out calculations
Step 17
Algebra
I can express functions using algebraic statements
Step 16
Algebra
I can use Pim to simplify expressions
Step 15
Algebra
I can use algebra to show multiplication as repeated addition
Step 14
Algebra
I can choose my own letter to represent an unknown number that is being multiplied
Step 13
Algebra
I can describe algebraically how to always solve 1d x 2d
Step 12
Algebra
I can solve equations with brackets
Step 11
Algebra
I can use my tables Learn Its to find the value of missing numbers represented by letters
Step 6
Prove It!
I can Prove It! - 6
Step 5
Prove It!
I can Prove It! - 5
Step 4
Prove It!
I can Prove It! - 4
Step 3
Prove It!
I can Prove It! - 3
Step 2
Prove It!
I can Prove It! - 2
Step 1
Prove It!
I can Prove It! - 1