



SAFE Term 2

## Shape

### Explore and Draw

**NEW** 28. I can accurately draw a wide range of 2D shapes

### 2D Shapes

**NEW** 27. I can combine all of my 2D shape knowledge and understanding to solve challenges

### 3D Shapes

**NEW** 25. I can accurately draw nets for cubes

**NEW** 26. I can accurately draw the nets for a range of familiar 3D shapes

**NEW** 27. I can compare and classify a wide range of 3D shapes using mathematical detail

### Position and Direction

**NEW** 30. I can plot points in the second quadrant

**NEW** 31. I can plot points in the third and fourth quadrant

**NEW** 32. I can plot shapes that overlap into different quadrants

**NEW** 33. I can reflect shapes in the y axis

**NEW** 34. I can reflect shapes in the x axis

**NEW** 35. I can find missing coordinates for a variety of shapes (by drawing the shape to help)

**NEW** 36. I can find missing coordinates for a variety of shapes (without drawing the shape)

## Amounts

### Amounts of Distance

**NEW** 34. I can find distances from a given speed and a range of times

**NEW** 35. I can find time from a given speed and a range of distances

### Amounts of Mass

**NEW** 20. I can draw and interpret a conversion graph to change from a metric measure to an imperial measure, e.g. pounds and kilograms

### Amounts of Money

**NEW** 18. I can calculate profit and loss

**NEW** 19. I can find 'best value for money'

### Amounts of Space

**NEW** 28. I can calculate volume using CLIC

**NEW** 29. I can find different shapes (different perimeters) with the same area

**NEW** 30. I can use a formula to find the area of triangles:  $\frac{1}{2}(h \times b)$

**NEW** 31. I can use a formula to find the area of parallelograms:  $h \times b$

**NEW** 32. I can derive and apply the formula for the area of a trapezium

### Amounts of Temperature

**NEW** 15. I can increase a temperature by a given amount (including through zero)

**NEW** 16. I can decrease a temperature by a given amount (including through zero)

### Amounts of Time

**NEW** 32. I understand a decade, century, BC/AD, 52 weeks in a year

### Amounts of Time: Telling the Time

**Completed**

### Amounts of Turn

**NEW** 34. I can use all of my angle knowledge to find missing angles in lots of different contexts

## Fractions

### Fractions of a Whole

**NEW** 18. I can find a given fraction of a shape that is predivided into unequal pieces

**NEW** 19. I can find the fraction of a shape that is shaded (and unshaded) when given the ratio of shaded : unshaded

## Fractions: Calculation

**NEW** 21. I can convert, simplify and find equivalent fractions ready for ordering... and order them

**NEW** 22. I can convert, simplify and find equivalent fractions ready for calculating... and calculate with them

**NEW** 23. I can divide proper fractions by whole numbers

**NEW** 24. I can turn fractions into decimals (not recurring)

**NEW** 25. I can turn fractions into decimals (recurring)

## Percentages

**NEW** 7. I can write out my Pie Chart Coin Card

**NEW** 8. I can find percentages of any number

**NEW** 9. I can find any percentage of any number using a calculator

**NEW** 10. I can find 100% if given a convenient percentage

**NEW** 11. I can find a new value if given a percentage increase

**NEW** 12. I can find a new value if given a percentage decrease

**NEW** 13. I can use percentage to compare best value

## Ratio

**NEW** 12. I can use my Coin Card for a variety of conversions

**NEW** 13. I can use my Coin Card for conversion, and graph the relationship

