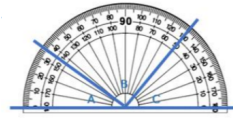


Sum 2

Consolidation of weak areas, investigations & preparing for Key Stage 3

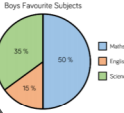
### Geometry: Properties of Shapes

- Recap yr 5 angles
- Vertically opposite angles
- Angles in a triangle & quadrilaterals
- Angles in regular polygons
- Draw nets of 3D shapes

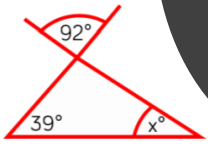


### Statistics

- Read, interpret & draw line graphs
- Circles
- Read & interpret pie charts
- Draw pie charts
- The mean



### SATs Prep & Consolidation



Sum 1

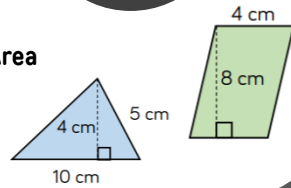
### Measurement: Converting Units

- Know metric measures
- Converting metric measure
- Imperial measures
- Miles & kilometres

- 2.5 cm ≈ 1 inch
- 1 foot = 12 inches
- 1 stone = 14 pounds (lbs)
- 1 pound (lb) = 16 ounces

### Measurement: Perimeter & Area

- Area & perimeter
- Area of a triangle & parallelogram
- What is volume – counting cubes
- Volume of a cuboid



3 : 5

Spr2

### Algebra

- One step & two step rules
- Forming expressions & equations
- Substitution
- Find pairs of values



### Number: Percentages

- Understand percentages
- Fractions to percentages
- Equivalent F.D.P
- Percentage of an amount

### Number: Ratio

- Introduce ratio symbol
- Introduce scale factors
- Calculate scale factors
- Ratio & proportion problems

Two shops sell the same pens for these prices.

<b>Safeway</b> 4 pens £2.88	<b>K-mart</b> 7 pens £4.83
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Which shop is better value for money?

Spr 1

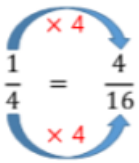
### Number: Decimals

- Round to 3 d.p.
- Multiply & divide by 10, 100, 1 000
- Multiply & divide decimals by integers
- Decimals as fractions
- Fractions as decimals

$$\frac{6}{100} = 0.06$$

### Number: Fractions

- Equivalent fractions
- Simplify fractions
- Fractions on a number line
- Mixed numbers to improper fractions



Aut 2

### Number: Fractions

- Add & subtract fractions
- Multiply & divide fractions
- Multiply and divide fractions by integers
- Four rules with fractions
- Fractions of amount
- Fractions of amount – find the whole

$$\frac{7}{9} - \frac{1}{2} = \frac{14}{18} - \frac{9}{18} = \frac{5}{18}$$

### Geometry: Position & Direction

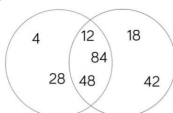
- Recap first quadrant
- All four quadrants
- Translations
- Reflections

### Number: Addition, Subtraction, Multiply & Divide

- Primes to 100
- Squares & cubes
- Order of operations
- Mental calculation
- Estimation

### Number: Addition, Subtraction, Multiply & Divide

- As for year 5
- Divide with remainders
- Short & Long division
- Factors 7 multiples
- Common factors & common multiples



Aut 1

### Number: Place Value

- Numbers to 10 000, 100 000
- Numbers to 1 million & 10 million
- Compare & order any number
- Round number to 10, 100, 1 000
- Negative numbers

$$-2 + 5 =$$

