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Counting, partitioning and calculating Year 6, Block A, Unit 1 1. I can say whether a number will occur in a sequence, explaining my reasoning 2. I can find the difference between positive and negative integers 3. I can round large numbers to the nearest multiple of 10, 100 or 1000 4. I can use tables facts to work out other facts with decimals 5. I can add, subtract, multiply and divide whole numbers and decimals in my head

6. I can use a calculator to solve problems with more than one step

7. I can estimate and check the calculations that I do

8. I can use different techniques to persuade people

Year 6, Block A, Unit 2

Counting, partitioning and calculating

1. I can explain my reasoning and conclusions, using symbols to represent unknown numbers

- 2. I can solve problems involving more than one step
- 3. I can use decimals with up to three places and order them on a number line
- 4. I can round decimals to the nearest whole number or the nearest tenth
- 5. I can use tables facts to work out other facts with decimals
- 6. I can add, subtract, multiply and divide whole numbers and decimals in my head
- 7. I can add, subtract, multiply and divide whole numbers and decimals using efficient written methods



8. I can use a calculator to solve problems involving more than one step

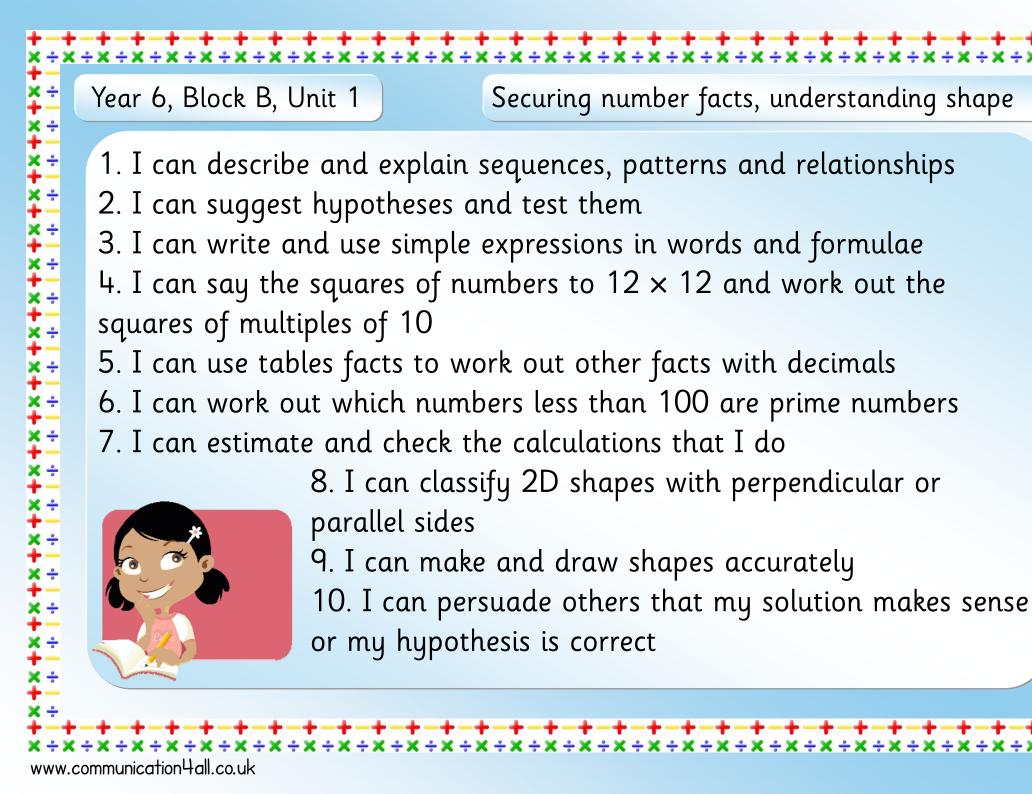
9. I can estimate and check the result of a calculation10. I can take part in a whole-class debate

Year 6, Block A, Unit 3

Counting, partitioning and calculating

- 1. I can explain my reasoning and conclusions, using symbols to represent unknown numbers
- 2. I can solve problems involving more than one step
- 3. I can explain the reason for my choice of method and say whether I think it was effective
- 4. I can use decimals with up to three places and order them on a number line
- 5. I can partition decimals with three places
- 6. I can add, subtract, multiply and divide whole numbers and decimals in my head
- 7. I can use efficient written methods to add, subtract, multiply and divide integers and decimal numbers
- 8. I can calculate the answer to HTU \div U and U.t \div U to one or two decimal places
- 9. I can use a calculator to solve problems with more than one step10. I can estimate and check the result of a calculation
- 11. I can listen to someone explain their method or solution to a problem, and evaluate whether their explanation made sense





Securing number facts, understanding shape 1. I can describe and explain sequences, patterns and relationships 3. I can write and use simple expressions in words and formulae

5. I can identify and record what I need to do to solve the problem, checking my answer makes sense and is accurate

6. I can say the squares of numbers to 12×12 and work out the squares of multiples of 10

7. I can use tables facts to work out related facts with decimals

8. I can work out which numbers less than 100 are prime

9. I can estimate and check the result of a calculation

10. I can use a calculator to solve problems with more than one step

11. I can use the properties of parallel and perpendicular to describe and classify 2D shapes and 3D solids

12. I can make and draw shapes accurately

2. I can suggest hypotheses and test them

4. I can use a table to help me solve a problem

Year 6, Block B, Unit 2

13. I can respond to the suggestions of others, explaining how they have or haven't changed my opinion

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Securing number facts, understanding shape

- 1. I can use a table to help me solve a problem
- 2. I can identify and record what I need to do to solve the problem, checking that my answer makes sense and is accurate
- 3. I can describe and explain sequences, patterns and relationships
- 4. I can suggest hypotheses and test them
- 5. I can write and use simple expressions in words and formulae
- 6. I can say the squares of numbers to 12×12 and work out the squares of multiples of
- 7. I can use my tables to work out decimal facts like 0.4×8 and $5.6 \div 7$
- 8. I can tell you all the prime numbers up to 100 and find the prime factors of other



- numbers
- 9. I can use a calculator to solve problems with more than one step 10. I can estimate and check the result of a calculation
- 11. I can identify 3D shapes with perpendicular or parallel edges or faces
- 12. I can make and draw shapes accurately
- 13. I can listen to the ideas of others, making sure that I respond to their ideas when I make

Year 6, Block C, Unit 1 1. I can suggest investigate it

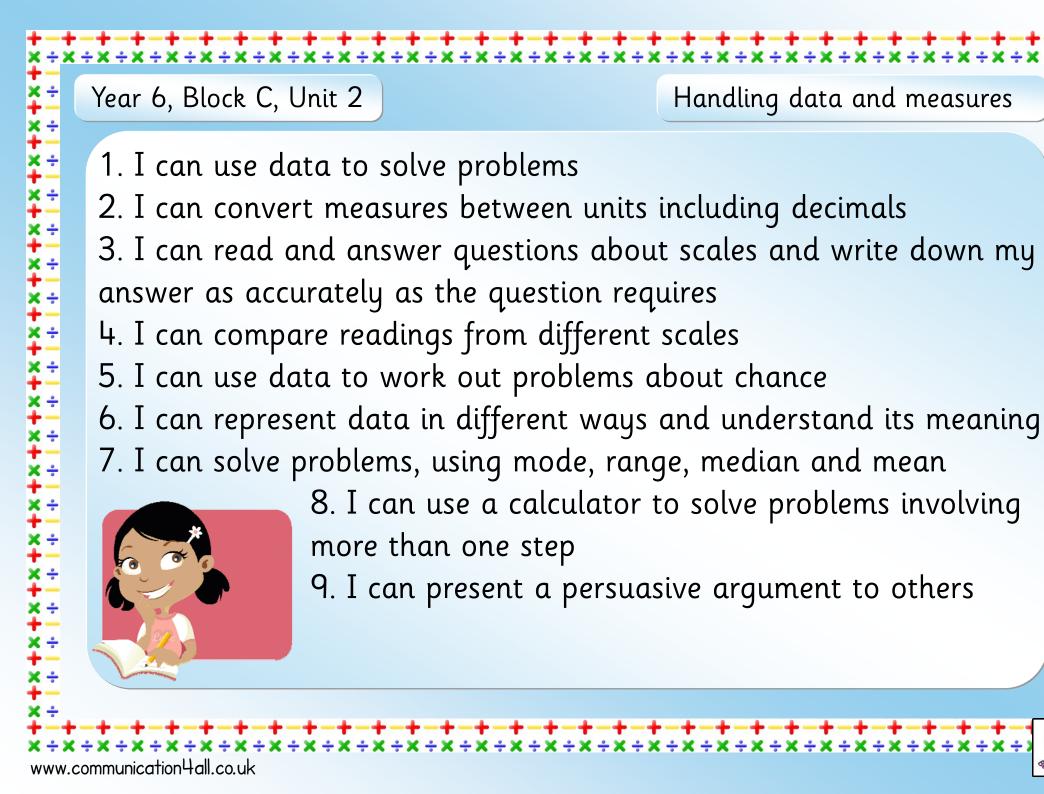
Handling data and measures

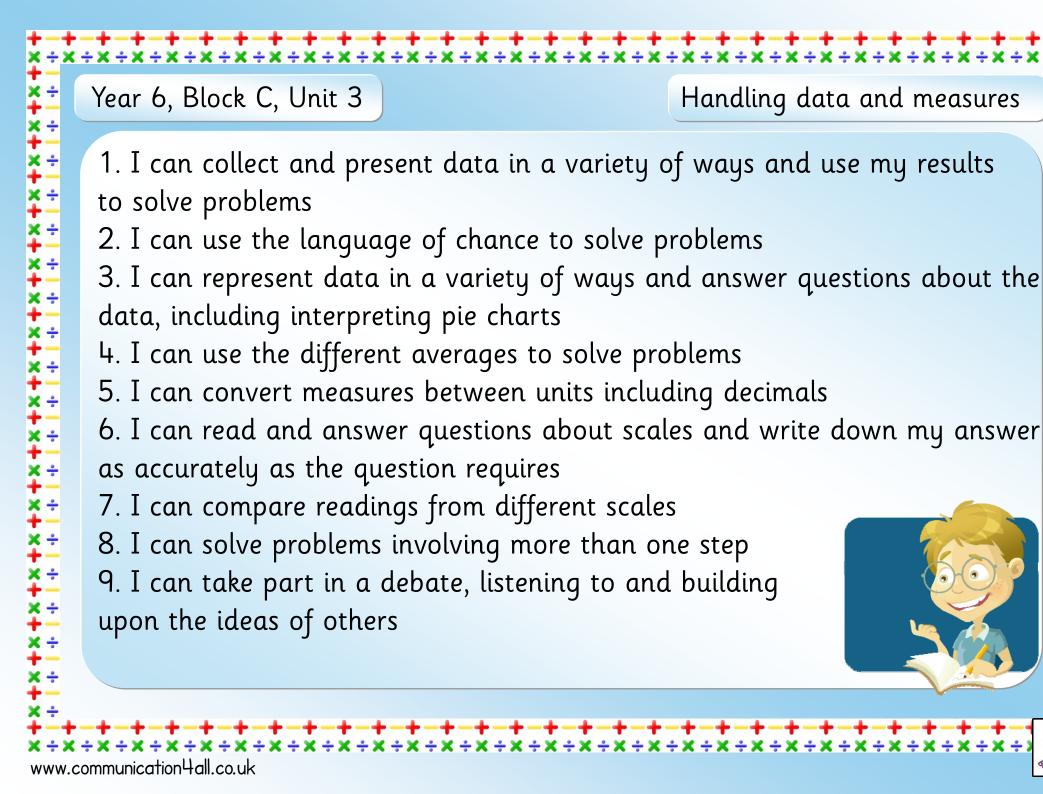
1. I can suggest a line of enquiry and plan how to investigate it

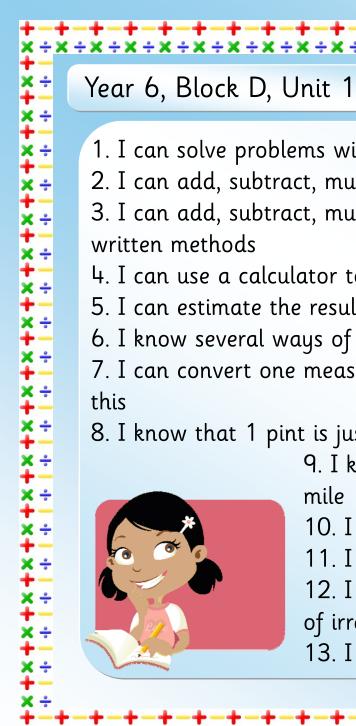
2. I can answer questions about the data I have represented

- 3. I can represent data in different ways and understand its meaning
- 4. I can work out different types of average
- 5. I can convert from one unit of measure to another
- 6. I can read scales and give my answers as accurately as the question asks
- 7. I can take notes when I am gathering information









Calculating, measuring and understanding shape

1. I can solve problems with several steps and decide how to carry out the calculation 2. I can add, subtract, multiply and divide whole numbers and decimals in my head 3. I can add, subtract, multiply and divide whole numbers and decimals using efficient written methods

- 4. I can use a calculator to solve problems with several steps
- 5. I can estimate the result of a calculation
- 6. I know several ways of checking answers
- 7. I can convert one measurement to another using a related unit. I use decimals to do this

8. I know that 1 pint is just over half a litre, and that 1 litre is about 13/4 pints

- 9. I know that 1 mile is about 1.6 km, and that 1 km is about 5/8 of a mile
- 10. I can read scales as accurately as a problem requires
- 11. I can compare readings from different scales
- 12. I can find the perimeter and area of shapes and estimate the area of irregular shapes
- 13. I can use different techniques to persuade people

Calculating, measuring and understanding shape

1. I can solve problems with several steps and decide how to carry out the calculation 2. I can add, subtract, multiply and divide whole numbers and decimals in my head 3. I can add, subtract, multiply and divide whole numbers and decimals using efficient written methods

- 4. I can use a calculator to solve problems with several steps
- 5. I can estimate the result of a calculation
- 6. I know several ways of checking answers
- 7. I can estimate angles, and use a protractor to measure and draw them

8. I know that the angle sum of a triangle is 180° and the sum of angles around a point is 360°

- 9. I can use coordinates when the x-coordinate and the y-coordinate are both positive
- 10. I can reflect, rotate and translate shapes on grids

11. I can convert one measurement to another using a related unit. I use decimals to do this

12. I can take part in a whole-class debate

Calculating, measuring and understanding shape

1. I can solve problems with several steps and decide how to carry out the calculation 2. I can add, subtract, multiply and divide whole numbers and decimals in my head 3. I can add, subtract, multiply and divide whole numbers and decimals using efficient written methods

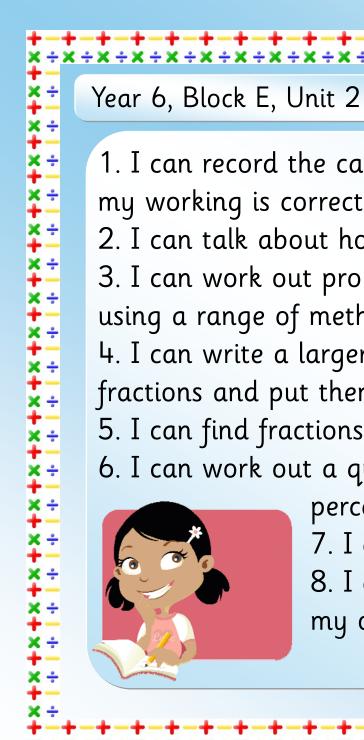
- 4. I can use a calculator to solve problems with several steps
- 5. I can estimate the result of a calculation
- 6. I know several ways of checking answers
- 7. I can convert one measurement to another using a related unit. I use decimals to do this
- 8. I know that 1 pint is just over half a litre, and that 1 litre is about 1 pints
- 9. I know that 1 mile is about 1.6 km, and that 1 km is about of a mile
 - 10. I can read scales as accurately as a problem requires
- 11. I can compare readings from different scales 12. I can find the perimeter and area of shapes and estimate the area
- of irregular shapes

13. I can listen to someone explain their method or solution to a problem, and evaluate whether their explanation made sense

Year 6, Block E, Unit 1

Securing number facts, relationships and calculating

- 1. I can record the calculations needed to solve a problem and check that my working is correct
- 2. I can talk about how I solve problems
- 3. I can work out problems involving fractions, decimals and percentages using a range of methods
- 4. I can use place value and my tables to work out multiplication and division facts for decimals
- 5. I can use efficient written methods to add, subtract, multiply and divide whole numbers and decimals
- 6. I can, when needed, use a calculator to solve problems
- 7. I can write a large whole number as a fraction of a smaller one,
- simplify fractions and put them in order of size
- 8. I can find fractions and percentages of whole numbers
- 9. I can scale up or down to solve problems
- 10. I can take part in a debate



Securing number facts, relationships and calculating

- 1. I can record the calculations needed to solve a problem and check that my working is correct
- 2. I can talk about how I solve problems
- 3. I can work out problems involving fractions, decimals and percentages, using a range of methods
- 4. I can write a larger whole number as a fraction of a smaller one, simplify fractions and put them in order of size
- 5. I can find fractions and percentages of whole numbers
- 6. I can work out a quantity as a percentage of another and find equivalent



- percentages, decimals and fractions
- 7. I can solve problems using ratio and proportion
- 8. I can respond positively to the ideas of others and offer my own ideas

Securing number facts, relationships and calculating

- 1. I can record the calculations needed to solve a problem and check that my working is correct
- 2. I can work out problems involving fractions, decimals and percentages using a range of methods
- 3. I can use place value and my tables to work out multiplication and division facts
- 4. I can use standard written methods to add, subtract, multiply and divide whole numbers and decimals
- 5. I can work out problems involving fractions, decimals and percentages using a calculator
- 6. I can write a large whole number as a fraction of a smaller one and simplify fractions and put them in order of size
- 7. I can find fractions and percentages of whole numbers
- 8. I can work out a quantity as a percentage of another and find equivalent percentages, decimals and fractions
- 9. I can solve problems using ratio and proportion
- 10. I can discuss mathematical ideas and persuade others

