

Missing numbers

1 The numbers in this sequence increase by the same amount each time.

Write the missing numbers.

42 49 63

- Find the difference between the numbers.
- Work out the rule for the sequence.
- Use this to find the missing numbers.

Ordering numbers / decimals

6 Write these numbers in order of size, starting with the smallest.

1.9 0.96 1.253 0.328

smallest

- Write the numbers in a vertical list where they all have 3 decimal places.
- Order the decimals in their original form.

Ordering fractions

14

$\frac{6}{5}$ $\frac{3}{5}$ $\frac{3}{4}$

Write these fractions in order, starting with the smallest.

smallest

- Convert the fractions so they have the same denominator.
- Order the fractions.
- Order them again in their original form.

Maths Test Technique

★ How to answer key types of questions.

Missing numbers in Calculations

4 Write the three missing digits to make this addition correct.

$$\begin{array}{r} 532\ \square\ 9 \\ + 742\ \square \\ \hline \square\ 0676 \end{array}$$

- Remember to mark in any carrying figures $9 + ? = 16$ (remember it's 16 not 6)
- Work through from right to left.
- Check calculation next to it once you have found the missing digits.

Tables

9 Here is the morning timetable for Chen's class this week.

Time	Mon	Tue	Wed	Thu	Fri
9:00 am–10:30 am	Maths	English	Maths	English	Maths
10:30 am–11:00 am	Break	Break	Break	Break	Break
11:00 am–12:00 pm	English	Maths	Science	Maths	English

What is the total number of hours for English on this timetable?

hours

- Record how long each time interval is next to the table.
- Circle English every time it appears on the timetable.
- Add all of the times together to answer the question.

Factors and multiples

5 Tick the numbers that are common factors of both 12 and 18

2
3
6
9
12

- List all the factors of 12.
- List all of the factors of 18.
- Circle the factors that are the same.
- Now answer the question.

Comparing numbers

10

Write the correct symbol in each box to make the statements correct.

11×12 15×10
 $90 \div 30$ $60 \div 20$
 $120 \div 4$ $160 \div 8$
 30×8 100×10

- Find the answer to each side of the equation first.
- Write the number shown on each side down.
- Add in the correct symbol $<$ $>$ or $=$

Using the Inverse

- 13 Lara chooses a number less than 20
She divides it by 2 and then adds 6
She then divides this result by 3
Her answer is 4.5

What was the number she started with?

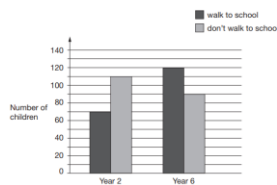
Show your method

2 marks

- Work backwards through the problem using the inverse operation.
- Record your working out at each stage.

Graphs

- 1 William asks the children in Year 2 and Year 6 if they walk to school.
This graph shows the results.



Altogether, how many children don't walk to school?

1 mark

How many more Year 6 children than Year 2 children walk to school?

1 mark

- Look at the scale and mark on the missing intervals.
- Use the scale to write down above the bars / pictures what number they represent.
- Use this to answer the questions that follow.

Pie Charts

- 6 This chart shows the number of different types of big cat in a zoo.
There are 20 big cats in the zoo altogether.



Here are some statements about the chart.

Tick the statements that are true.

- There are more cheetahs than jaguars.
- The total number of lions and tigers is 10
- One-quarter of the big cats are cheetahs.
- There are more than 5 jaguars.

- Look at the total and record the number show in each segment.
- Use this to answer the questions that follow.

Explaining

- 14 Two of the angles in a triangle are 70° and 40°

Jack says,

The triangle is equilateral.



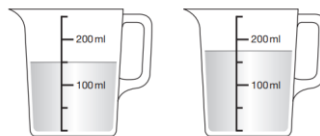
Explain why Jack is not correct.

1 mark

- Give your answer as a number sentence or equation.
- E.g. He is incorrect because all of the angles in an equilateral triangle are equal. So $180^\circ \div 3 = 60^\circ$ Each angle would measure 60°

Scales

- 11 Stefan has 600 millilitres of water in a bottle.
He pours some of the water into two measuring jugs as shown.



How many millilitres of water are left in Stefan's bottle?

Show your method

- Work out and record the intervals on each scale.
- Write down how much liquid is shown.
- Use this to answer the question.

Other useful tips to remember:

- Always add missing scales / intervals to bars and charts before you attempt to answer the question.
- It's your test, so write on it wherever you need to – underline key words or instructions.
- In multi-step problems, read each part carefully and tick each part as you complete it.
- If there isn't a working out box but there is space on the page, it usually means that you will need to do some working out – use the space!

ALWAYS check your working out carefully.