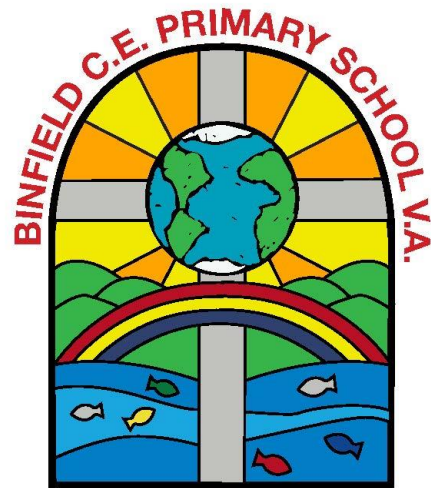


Maths Test 2018



"Learning in a caring Christian community"

History of Maths SATs Test



National Curriculum Aims

Aims

The national curriculum for mathematics aims to ensure that all pupils:

- become **fluent** in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.
- **reason mathematically** by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language
- can **solve problems** by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.

Maths Papers

- ▶ Paper 1 – Arithmetic: 30mins
 - ▶ Paper 2 – Reasoning: 40mins
 - ▶ Paper 3 – Reasoning: 40mins
-
- ▶ Reflects the curriculum.
 - ▶ Real Maths

Arithmetic Papers – One Mark Questions

2

$707 + 1,818 =$

14

$50 + (36 \div 6) =$

29

$45\% \text{ of } 460 =$

15

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

6

$2.7 + 3.014 =$

13

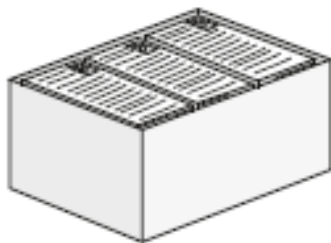
$\boxed{} - 100 = 1,059$

Reasoning Papers

3 Write the missing numbers to make this multiplication grid correct.

×		
9	63	54
	56	48

16



There are 2,400 leaflets in a box.

William and Ally take 450 leaflets each.

Adam and Chen share the rest of the leaflets equally.

How many leaflets does Adam get?

18

A cat sleeps for 12 hours each day.

50% of its life is spent asleep.



Write the missing percentage.

A koala sleeps for 18 hours each day.

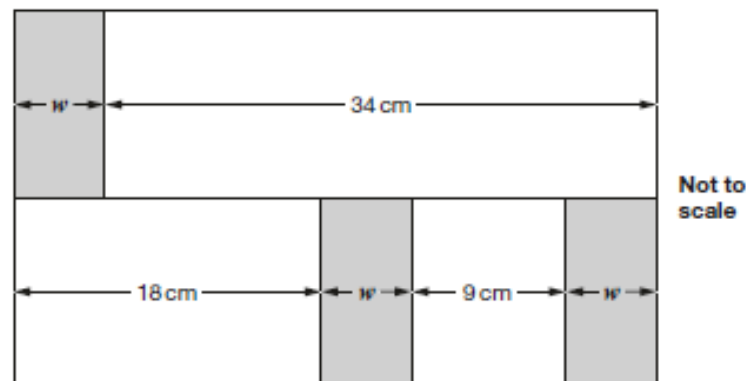
% of its life is spent asleep.



1 mark

22

In this diagram, the shaded rectangles are all of equal width (w).



Calculate the width (w) of one shaded rectangle.

Reasoning Papers

8

Write three factors of 30 that are **not** factors of 15

2 marks

18

A **square** number and a **prime** number have a total of 22

What are the two numbers?

$$\begin{array}{c} \boxed{} \\ \text{square} \\ \text{number} \end{array} + \begin{array}{c} \boxed{} \\ \text{prime} \\ \text{number} \end{array} = 22$$

1 mark

17

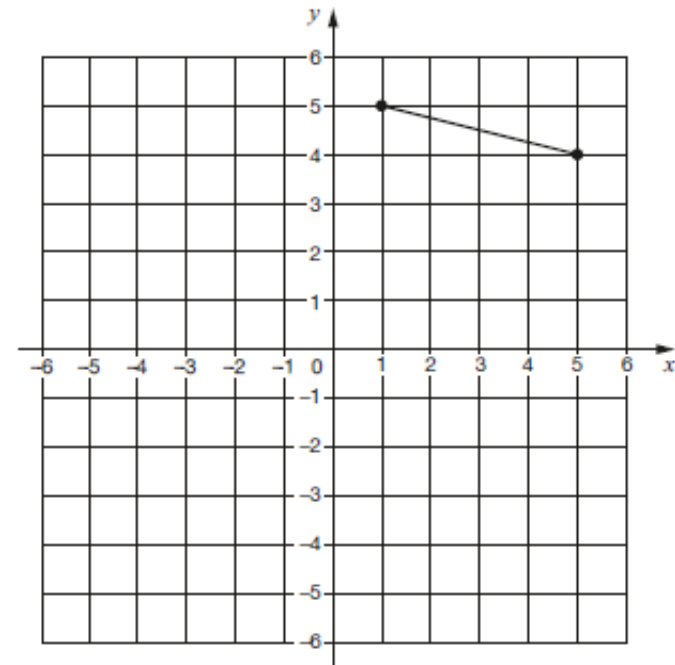
The vertices of a quadrilateral have these coordinates.

(1, 5) (5, 4) (1, -3) (-3, 4)

One side of the quadrilateral has been drawn on the grid.

Complete the quadrilateral.

Use a ruler.



1 mark

Test Techniques

- ▶ Highlighting
- ▶ Numbering questions
- ▶ Asking for questions to be read
- ▶ Asking to read out questions

What we do

- ▶ Maths lessons – equipment, concepts, reasoning
- ▶ Early morning arithmetic
- ▶ Afternoon problem solving
- ▶ Maths club
- ▶ LSA support
- ▶ Teacher support
- ▶ Mrs Mistry

What will help?

- ▶ Times tables (TTRockstars)
- ▶ Explaining reasoning
- ▶ Drawing/writing out how we know
- ▶ If you know... then we know...



Thank you for coming to the Year 6 assessment information evening today.
If you have any questions, or there is anything further you would like more information on,
please note it below. We will put together a list of common questions and answers and email
this out to you.

On a scale of 1-5, how useful have you found this evening? 1 2 3 4 5
(1 being unhelpful, 5 being very helpful)