

Key Stage 2

PiXL Paper

Year 6 Mathematics

Paper 1: arithmetic

First name						
Middle name						
Last name						
Date of birth	Day		Month		Year	
School name						

out of 40 marks

[This page is intentionally blank]



Instructions

You must not use a calculator to answer any questions in this test.

Questions and answers

You have **30 minutes** to complete this test.

Work as quickly and as carefully as you can.

Put your answer in the box for each question.

All answers should be given as a single value.

For questions expressed as common fractions, or mixed numbers, you should give your answers as common fractions or mixed numbers.

All other answers should be given as either whole or decimal numbers.

If you cannot do one of the questions, **go on to the next one**.

You can come back to it later, if you have time.

If you finish before the end, **go back and check your work**.

Marks

The number under each box at the side of the page tells you the maximum number of marks for each question.

In this test, long division and long multiplication questions are worth **2 marks each**. You will be awarded **2** marks for a correct answer.

You may get **1** mark for showing a formal method.

All other questions are worth **1 mark each**.



$$627 - 100 =$$

1 mark

$$562 + 424 =$$

1 mark

$$6,854 - 672 =$$

1 mark



--

[illegible]

$$245 \times 9 =$$

A 20x10 grid with a rectangle drawn in the bottom right corner, spanning 5 units wide and 2 units high.

--

[illegible]



7

$$\frac{7}{8} - \frac{2}{8} =$$

1 mark

8

$$7 \div 100 =$$

1 mark

9

$$4^2 + 8^2 =$$

1 mark



10

$$\boxed{} = 92.9 \times 100$$

1 mark

11

$$12 \times 12 =$$

1 mark

12

$$\frac{5}{8} + \frac{8}{8} =$$

1 mark



13

$$92 \times 8 =$$

A 10x10 grid is shown. A rectangle is drawn in the bottom right corner, spanning 4 columns and 2 rows. The rectangle is outlined in black and is empty.

1 mark

14

$$2,996 \div 7 =$$

1 mark

15

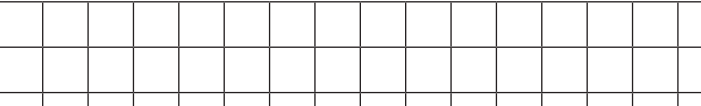
$$18.345 - 6.56 =$$

A blank grid for drawing a rectangle. The grid is 20 units wide and 10 units high. A rectangle is drawn in the bottom right corner, spanning from the 15th unit to the 20th unit in width and from the 1st unit to the 4th unit in height. The rectangle is outlined in black and is empty.

1 mark



16

$$6\frac{5}{6} - 4\frac{2}{3} =$$


1 mark

17

A 20x10 grid with a sequence of numbers 7, 7, 6, 8, 5, 3 in the 5th row. A thick vertical line is between the 3rd and 4th columns, and a thick horizontal line is above the 4th, 5th, and 6th columns. A 5x3 rectangle is empty in the bottom right.

2 marks

18

[illegible]

1 mark



19

$$4.97 \times 6 =$$

A large rectangular grid consisting of 20 columns and 10 rows of squares, intended for drawing a picture.

1 mark

20

$$63,595 - 4,984 =$$

1 mark

21

$$59,123 - 8,354 =$$

1 mark



22

$$5,562 + 3,952 =$$

1 mark

23

$$9 - 6.35 =$$

1 mark

24

$$8,756 \div 4 =$$

A 10x10 grid is shown. A rectangle is highlighted in the bottom right corner, spanning 4 units wide and 2 units high. The rectangle is located in the bottom right corner of the grid, with its bottom-left corner at the intersection of the 6th column and 8th row from the left, and its top-right corner at the intersection of the 10th column and 10th row from the left.

1 mark



25

54.89 + 595.426 =

1 mark

26

[illegible]

2 marks

27

[illegible]

1 mark



28

$$35\% \times 180 =$$

1 mark

29

$$108 + 5 \times 4 =$$

1 mark

30

$$\frac{7}{9} \div 5 =$$

1 mark



31

$$\frac{5}{6} \times \frac{7}{8} =$$

1 mark

32

$$22\% \text{ of } 600 =$$

1 mark

33

Show
your
method.

2 marks



34

[illegible]

1 mark

35

A 20x10 grid. In the third row, the numbers 5, 5, 5, 4, 4, 5 are placed in columns 2 through 7. A thick vertical bar is between the second and third 5s. A thick horizontal bar is under the last three numbers (5, 4, 4). An empty 4x4 box is located in the bottom right corner, spanning columns 16-19 and rows 7-10.

2 marks

36

[illegible]

1 mark



[END OF TEST]

