

PiXL Diagnostic Assessments

# Year 5

# Mathematics

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## Paper 1: Arithmetic

### Autumn

Name	
Class	

	out of 40 marks
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# Instructions and Guidance

## Questions and answers

You will have about **30 minutes** to complete this paper. The adult you are working with will tell you when to stop.

Work as carefully as you can.

Think about the **most efficient way** to answer each question. Sometimes it may be quicker to calculate in your head than to use a written method.

Put your answer in the box for each question.


If you cannot answer a question, **move on to the next one**. You can always come back to it later.

When you have completed the paper, **look back and check your answers**.



4.

$$998 + 543 =$$


\_\_\_\_\_

**1 mark**

5.

$$9 \times 9 =$$


\_\_\_\_\_

**1 mark**

6.

$$85 \times 3 =$$


\_\_\_\_\_

**1 mark**











19.

$$\frac{6}{8} - \frac{1}{4} =$$


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**1 mark**

20.

$$37.83 + 46.47 =$$


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**1 mark**

21.

$$\begin{array}{r} 423 \\ \times 13 \\ \hline \end{array}$$


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**2 marks**





28.

$$\boxed{\phantom{0000}} = \frac{4}{7} + \frac{2}{7}$$


\_\_\_\_\_ **1 mark**

29.

$$\begin{array}{r} 6528 \\ \times \quad 23 \\ \hline \end{array}$$


\_\_\_\_\_ **2 marks**

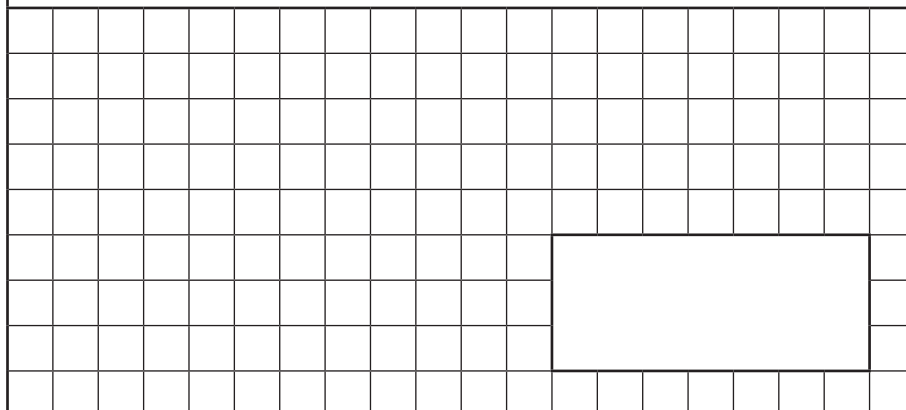
30.

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


\_\_\_\_\_ **1 mark**

**31.**

$$54.42 - 32.3 =$$

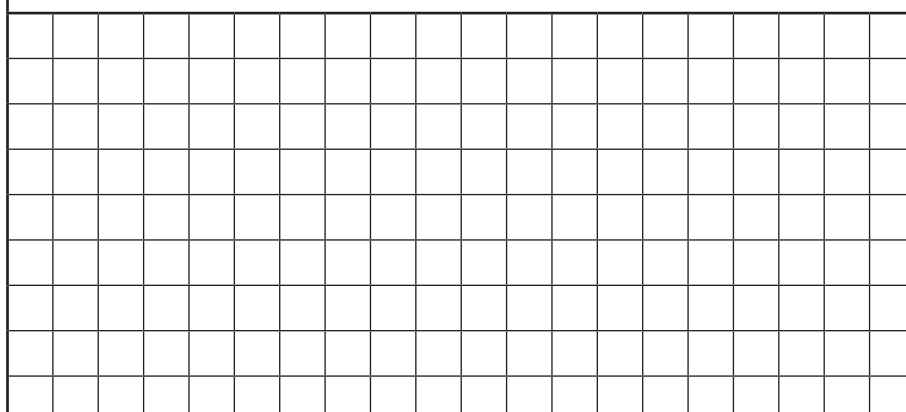


A grid for calculation. The grid is 12 columns wide and 10 rows high. A rectangular box is drawn on the grid, spanning from the 5th column to the 11th column and from the 3rd row to the 7th row. The box is empty, intended for the student to write the answer to the subtraction problem above.

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**1 mark****32.**

$$\square = 0.3 \div 10$$

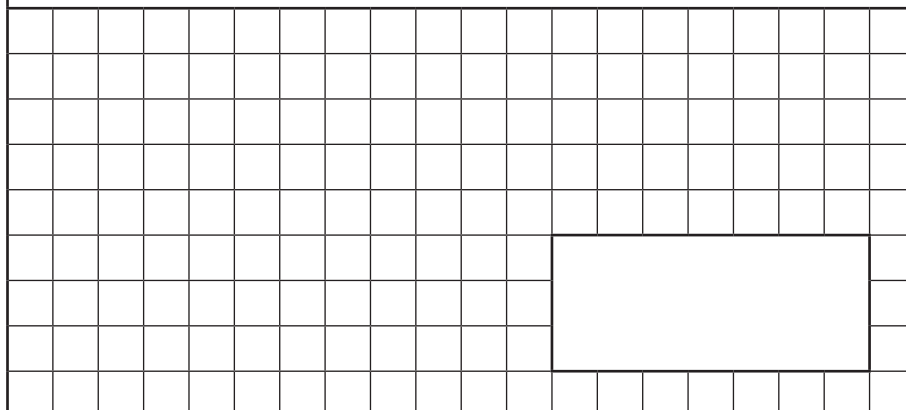


A grid for calculation. The grid is 12 columns wide and 10 rows high. A rectangular box is drawn on the grid, spanning from the 2nd column to the 5th column and from the 3rd row to the 7th row. The box is empty, intended for the student to write the answer to the division problem above.

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**1 mark****33.**

$$2,216 \div 4 =$$



A grid for calculation. The grid is 12 columns wide and 10 rows high. A rectangular box is drawn on the grid, spanning from the 5th column to the 11th column and from the 3rd row to the 7th row. The box is empty, intended for the student to write the answer to the division problem above.

\_\_\_\_\_

**1 mark**

34.

			3	9	7	7														
x				4	6															

2 marks

35.


1 mark

36.


1 mark

Once you have completed the paper, use any spare time to find any answers you may like to improve. Here are some things to look out for:

- ✓ **Are your digits clear?**
- ✓ **Have you used rounding and estimating to check if your answers are reasonable?**
- ✓ **Have you copied the correct numbers down when using a written method?**



[END OF TEST]