

PiXL Diagnostic Assessments

Year 5

Mathematics

Paper 1: Arithmetic
Spring

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.

$$1,996 + 447 =$$

1 mark

5.

$$11 \times 11 =$$

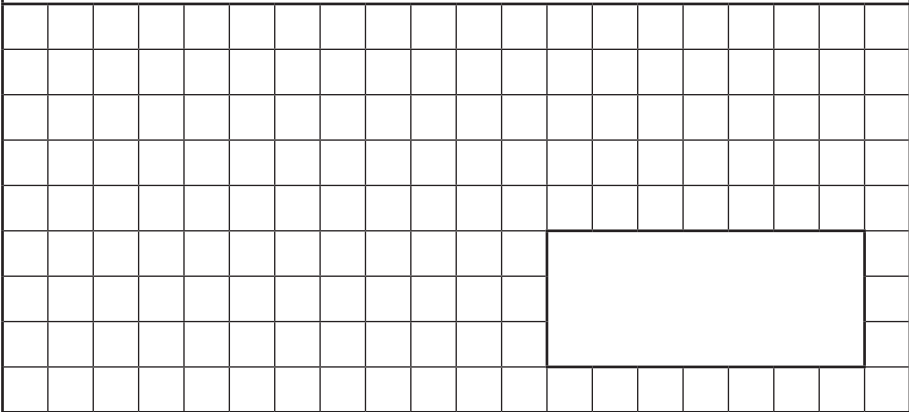
1 mark

6.

$$87 \times 4 =$$

1 mark

7.

$$\frac{4}{6} + \frac{5}{6} =$$


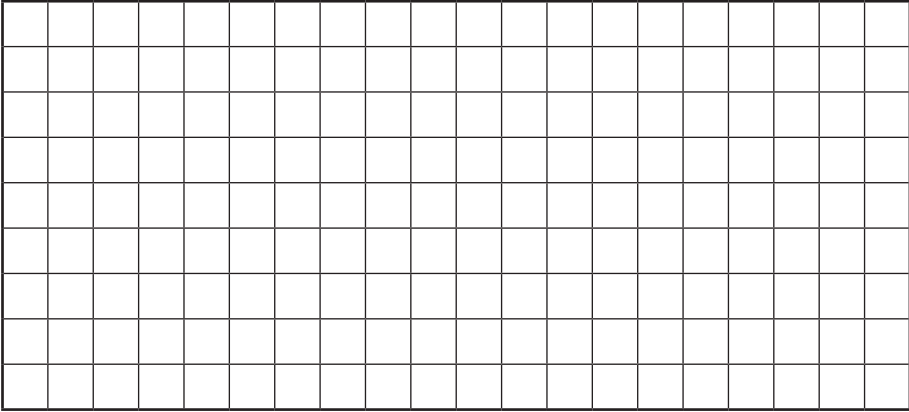
1 mark

8.

$$876 - 415 =$$

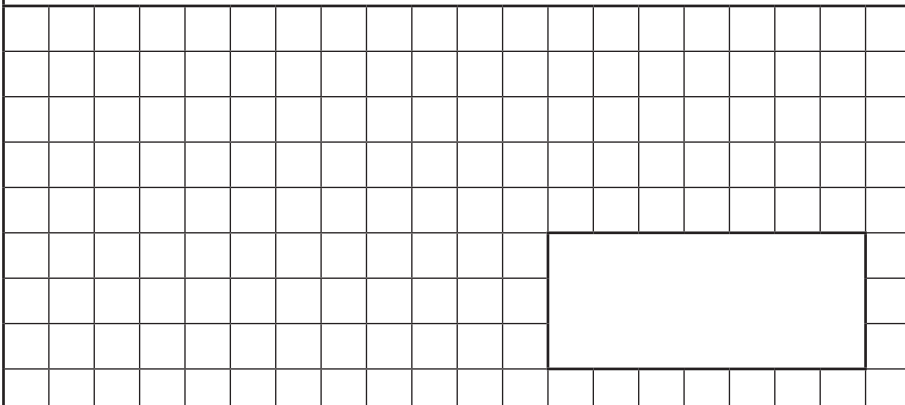

1 mark

9.

$$\frac{4}{6} - \frac{3}{12} =$$


1 mark

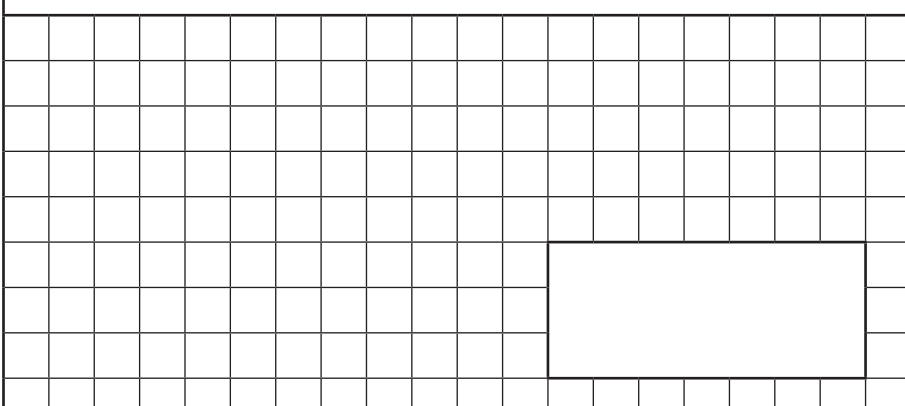
13.

$$26,935 + 3,416 =$$


1 mark**14.**

$$76,935 - 8,016 =$$


1 mark**15.**

$$\boxed{} = \frac{6}{9} - \frac{1}{3}$$


1 mark

19.

$$21 \times 0 =$$

_____ **1 mark**

20.

$$37.9 + 54.03 =$$

_____ **1 mark**

21.

$$\begin{array}{r}
 532 \\
 \times 12 \\
 \hline
 \end{array}$$

show
your
method.

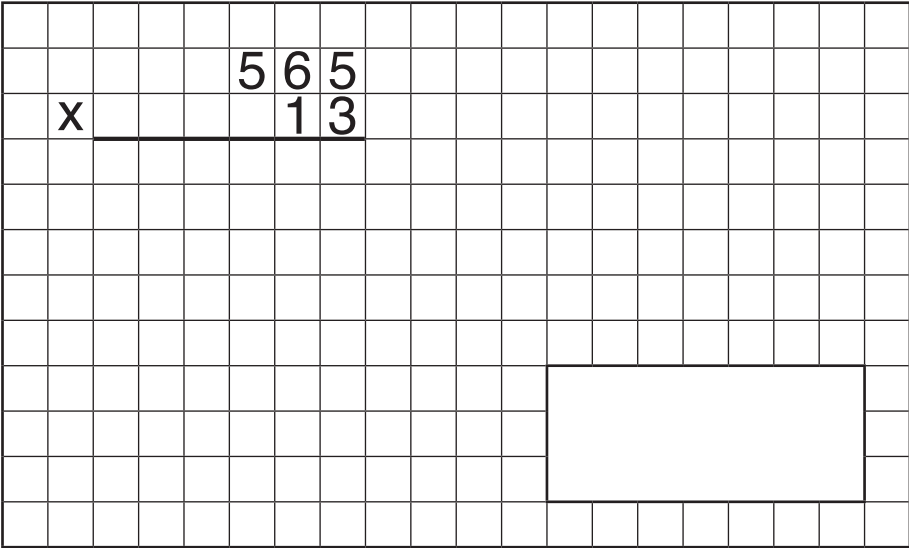
_____ **2 marks**

25.

$$\square = 79,644 + 1,000$$


1 mark

26.

$$\begin{array}{r} 565 \\ x 13 \\ \hline \end{array}$$


show
your
method.

2 marks

27.

$$5,545 \div 5 =$$


1 mark

31.

$$64.428 - 41.9 =$$

1 mark

32.

$$\boxed{} = 968.4 \div 1,000$$

1 mark

33.

$$3,312 \div 6 =$$

1 mark

34.

$$\begin{array}{r} 7254 \\ \times \quad 46 \\ \hline \end{array}$$

show your method.

_____ **2 marks**

35.

$1\frac{2}{5} \times 5 =$

_____ **1 mark**

36.

$5^2 = \boxed{\quad}^2 + 3^2$

_____ **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]