



PiXL Diagnostic Assessments

Year 5

Mathematics

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**.

1.

$$94 + 10 =$$

1 mark

2.

$$54,382 = 50,000 + \boxed{} + 300 + 80 + 2$$

1 mark

3.

1 mark

4.

1 mark

5.

$9 \times 9 =$									

1 mark

6.

$85 \times 3 =$									

1 mark

7.

$$\frac{1}{6} + \frac{4}{6} =$$

1 mark

8.

$$954 - 321 =$$

1 mark

9.

$= 69,741 + 1,000$									

1 mark

10.

$= 0.07 \times 1,000$									

1 mark

11.

$$6,784 - 4,375 =$$

1 mark

12.

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

1 mark

13.

$$4.9 \div 10 =$$

1 mark

14.

$$84,218 - 37,391 =$$

1 mark

15.

$$\frac{3}{5} + \frac{4}{5} =$$

1 mark

16.

$$57,584 + 32,665 =$$

1 mark

17.

$$35.12 + 11.8 =$$

1 mark

18.

$$985 \times 9 =$$

1 mark

19.

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

1 mark

20.

$$37.83 + 46.47 =$$

1 mark

21.

				2	4								
			x	1	3								

2 marks

22.

$852 \div 4 =$												

1 mark

23.

$$\frac{1}{5} + \frac{4}{15} =$$

1 mark

24.

462 x 0

1 mark

25.

1 mark

26.

2 marks

27.

$$\frac{3}{4} + \frac{5}{12} =$$

1 mark

28.

$$= \frac{4}{7} + \frac{2}{7}$$

1 mark

29.

		6	5	2	8							
	x			2	3							

2 marks

30.

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

1 mark

31.

$54.42 - 32.3 =$

1 mark

32.

$$= 0.3 \div 10$$

1 mark

33.

$$2,216 \div 4 =$$

1 mark

34.

		3	9	7	7						
	x		4	6							

2 marks

35.

$$\frac{15}{16} - \frac{1}{4} =$$

1 mark

36.

$$1 \frac{2}{3} \times 5 =$$

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?

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