



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 + <input type="text"/> + 300 + 80 + 2											

1 mark

3.

<input type="text"/> = 8 x 7											

1 mark

4.

998 + 543 =											

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.

<input type="text"/> = 69,741 + 1,000											

1 mark

10.

<input type="text"/> = 0.07 x 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 x 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.

<input type="text"/> = 7^2											

1 mark

26.

			4	6	5						
	x			1	5						

2 marks

27.

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

1 mark

28.

<input type="text"/> $= \frac{4}{7} + \frac{2}{7}$											

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.

<input type="text"/> = $0.3 \div 10$											

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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