

PiXL Diagnostic Assessments

Year 5

Mathematics

Paper 1: Arithmetic
Summer

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.

98 + 10 =											

1 mark

2.

976 + 659 =											

1 mark

3.

858 - 643 =											

1 mark

4.

351,076 = 70 + 6 + 300,000 + 1,000 + <input type="text"/>											

1 mark

5.

9,993 – 8,659 =											

1 mark

6.

5,438 – 2,175 =											

1 mark

7.

$$68,493 + 21,876 =$$

1 mark

8.

$$800 \times 5 =$$

1 mark

9.

$$75,028 - 48,391 =$$

1 mark

10.

39,287 + 1,000 =											

1 mark

11.

8² =											

1 mark

12.

75 x 3 =											

1 mark

13.

346 x 6 =											

1 mark

14.

$\frac{1}{9} + \frac{7}{9} =$											

1 mark

15.

5 x 7 x 20 =											

1 mark

16. Show your method.

		3	5	9							
	x		2	4							

2 marks

17.

$\frac{4}{7} + \frac{9}{7} =$											

1 mark

18.

$567 \div 3 =$											

1 mark

19.

1,012 ÷ 4 =											

1 mark

20.

9,685 ÷ 6 =											

1 mark

21.

875 x 8 =											

1 mark

22. Show your method.

			7,	5	1	8					
	x				3	5					

2 marks

23.

$\frac{2}{5} + \frac{3}{10} =$											

1 mark

24.

$\frac{5}{6} - \frac{1}{3} =$											

1 mark

25.

$3,647 \div 1 =$											

1 mark

26.

$\frac{2}{5} \times 10 =$											

2 marks

27.

$7.694 = 7 + 0.6 +$ $+ 0.004$											

1 mark

28.

58.92 + 46.58 =												

1 mark

29. Show your method.

45.32 – 31.2 =												

1 mark

30. Show your method.

			4	7	8							
	x			3	6							

2 marks

31.

2.7 ÷ 10 =												

1 mark

32. Show your method.

			4,	6	7	8						
	x				3	5						

2 marks

33.

7 x 9 =												

1 mark

34.

$1\frac{2}{3} \times 4 =$											

2 marks

35.

$0.8 \div 10 =$											

1 mark

36.

$2^3 + 3^2 =$											

1 mark

[END OF TEST]

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?