PiXL

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**.

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1.

94 + 10 =

1 mark

2.

54,382 = 50,000 + [   ] + 300 + 80 + 2

1 mark

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3.

	= 8 x 7

(answer grid)

1 mark

4.

998 + 543 =

(answer grid)

1 mark

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5.

9 x 9 =

1 mark

6.

85 x 3 =

1 mark

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7.

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

1 mark

8.

954 – 321 =

1 mark

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9.

| | = 69,741 + 1,000 |

1 mark

10.

| | = 0.07 x 1,000 |

1 mark

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11.

6,784 – 4,375 =

1 mark

12.

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

1 mark

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13.

4.9 ÷ 10 =

1 mark

14.

84,218 – 37,391 =

1 mark

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15.

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

1 mark

16.

57,584 + 32,665 =

1 mark

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17.

35.12 + 11.8 =

1 mark

18.

985 x 9 =

1 mark

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19.

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

1 mark

20.

37.83 + 46.47 =

1 mark

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21.

				2	4						
			x	1	3						

22.

852 ÷ 4 =

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23.

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

1 mark

24.

462 x 0

1 mark

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25.

		$= 7^2$

1 mark

26.

			4	6	5					
	x			1	5					

2 marks

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27.

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

1 mark

28.

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

1 mark

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29.

		6	5	2	8						
	x			2	3						

2 marks

30.

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

1 mark

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31.

54.42 – 32.3 =

1 mark

32.

	= 0.3 ÷ 10

1 mark

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33.

2,216 ÷ 4 =

1 mark

34.

		3	9	7	7	
	x			4	6	

2 marks

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35.

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

1 mark

36.

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

1 mark

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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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