



## Year 5 Autumn Maths Block Assessments: Decimals and Fractions (A)

<b>Objective</b>	<b>Before</b> 	<b>After</b> 
I can understand place value in numbers with 2 decimal places.		
I can multiply numbers with 2 decimal places by 10 and by 100 and divide by 10 and 100 to give answers with 2 decimal places.		
I can place 2-place decimal numbers on a number line and compare and order numbers with 2 decimal places.		
I can count on and back in steps of 0.1 and 0.01, and add and subtract multiples of 0.1 or 0.01.		
I can subtract decimals with 1 or 2 decimal places by counting up.		

Assessments cover learning in each **Short Block**.  
Complete the assessment below after all learning in that block.

## Year 5 Autumn Maths Block Assessments: Decimals and Fractions (A)

**1** Complete the number sentences.

$$7 + 0.2 + 0.08 = \square$$

$$5 + 0.04 = \square$$

$$6 + \square + 0.09 = 6.39$$

$$4 + 0.2 + \square = 4.22$$

4 marks

**2** Solve these:

$$3.47 \times 10 = \square$$

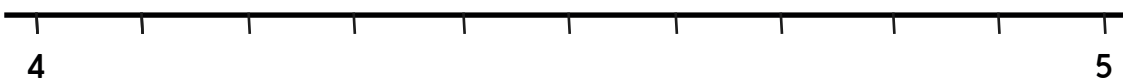
$$4.03 \times 100 = \square$$

$$679 \div 10 = \square$$

$$27 \div 100 = \square$$

4 marks

**3** Mark the following numbers on the line: 4.7, 4.25, 4.82



3 marks

**4** Write  $>$  or  $<$  between each pair of numbers

$$3.7 \quad 7.3$$

$$5.81 \quad 1.85$$

$$6.07 \quad 6.7$$

$$5.3 \quad 5.13$$

4 marks

## Year 5 Autumn Maths Block Assessments: Decimals and Fractions (A)

**5** Solve these:

$0.34 + 0.1 = \square$

$2.58 - 0.01 = \square$

$0.17 - 0.01 = \square$

$0.42 + 0.11 = \square$

*4 marks*

**6** Solve these:

$6.85 - 0.03 = \square$

$2.22 + 0.6 = \square$

$2.83 - 0.4 = \square$

$4.71 + 2.02 = \square$

*4 marks*

**7** Solve these by counting up (Frog) – you can draw your own number lines.

$10.4 - 7.8$

$6.2 - 3.95$

$7.14 - 1.8$

$10.12 - 9.76$

*4 marks*

## Year 5 Autumn Maths Block Assessments: Decimals and Fractions (A)

**8** Solve these problems.

What is 10 **times more** than 6.66?

What is the **difference** between 2.85 and 2.95?

What is 0.02 **more than** 8.34?

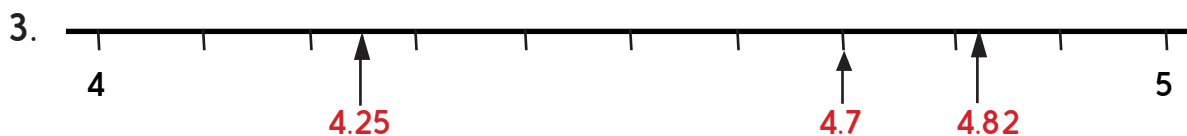
*3 marks*

*Total /30 =*

**Year 5 Autumn Maths Block Assessments:  
Decimals and Fractions (A) - ANSWERS**

1.  $1.7 + 0.2 + 0.08 = 7.28$   
 $5 + 0.04 = 5.04$   
 $6 + 0.3 + 0.09 = 6.39$   
 $4 + 0.2 + 0.02 = 4.22$

2.  $3.47 \times 10 = 34.7$   
 $4.03 \times 100 = 403$   
 $679 \div 10 = 67.9$   
 $27 \div 100 = 0.27$



4.  $3.7 < 7.3$   
 $5.81 > 1.85$   
 $6.07 < 6.7$   
 $5.3 > 5.13$

5.  $0.34 + 0.1 = 0.44$   
 $2.58 - 0.01 = 2.57$   
 $0.17 - 0.01 = 0.16$   
 $0.42 + 0.11 = 0.53$

6.  $6.85 - 0.03 = 6.82$   
 $2.22 + 0.6 = 2.82$   
 $2.83 - 0.4 = 2.43$   
 $4.71 + 2.02 = 6.73$

7.  $10.4 - 7.8 = 2.6$   
 $6.2 - 3.95 = 2.25$   
 $7.14 - 1.8 = 5.34$   
 $10.12 - 9.76 = 0.36$

8.  $66.6, 0.1, 8.36$