

Decimals



Helpful Hint

A **decimal fraction** is a **decimal number** that is less than 1. For example: 0.58

A **mixed decimal** is a **decimal number** that is more than 1. For example: 3.58

When adding and subtracting decimals, you must always make sure the **decimal points** are lined up.

Example:

	6	2	.	5	
+		3	.	2	8
	6	5	.	7	8

A Answer these questions. You do not need to show your workings out.

1 $0.4 + 0.5 =$ _____

 [1]

2 $1.6 + 0.2 =$ _____

 [1]

3 $0.9 - 0.7 =$ _____

 [1]

4 $1.8 - 0.6 =$ _____

 [1]

5 $2.7 + 2.4 =$ _____

 [1]

6 $3.4 - 1.2 =$ _____

 [1]

7 $14.9 + 10.3 =$ _____

 [1]

8 $22.6 - 2.8 =$ _____

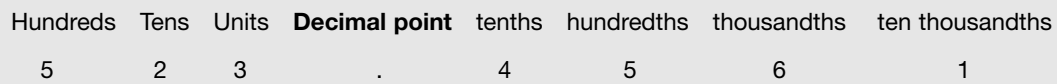
 [1]

9 $12.3 + 6.8 =$ _____

 [1]

10 $37.9 - 0.4 =$ _____

 [1]



 [1]

© Answer these questions and show your workings out.

$$1 \quad 4012.78 - 210.6 =$$

A 4x20 grid is shown. A rectangle is drawn in the second row, spanning from the 16th column to the 19th column. The rectangle is outlined in black and is empty.



$$2 \quad 24.5 - 9.7 =$$

A 10x4 grid is shown. A rectangle is drawn on the right side, spanning 3 rows and 2 columns. The rectangle is located in the top-right corner of the grid, starting from the 8th column and 1st row, and ending at the 10th column and 4th row.

 [1]

3 $19.52 - 16.37 =$

A large rectangular area filled with a light gray grid, intended for drawing a picture. The grid is 20 units wide and 10 units high. A small black rectangle is drawn in the top right corner of the grid, spanning from the 18th to the 20th column and the 8th to the 10th row. [1]

$$452 - 48.4 =$$

[illegible]

[1]

5 $107.3 - 52.9 =$

A 10x4 grid is shown. A rectangle is drawn in the top-right corner, spanning 2 columns and 2 rows.

 [1]

$$6\ 139 - 0.954 =$$

A blank grid for drawing a rectangle. The grid is 20 squares wide and 4 squares high. A rectangle is drawn in the top right corner, spanning 4 squares in width and 2 squares in height. The rectangle is outlined in black.

 [1]

D Solve these word problems and show your workings out.

- What time did Livvy get?

A blank grid for drawing a rectangle. The grid is 20 units wide and 4 units high. A rectangle is drawn in the top right corner, spanning from the 16th to the 20th column and the 3rd to the 4th row. The rectangle is 4 units wide and 2 units high.

 [1]

- How many miles did he run in total?

[illegible]

 [1]

- How much ribbon was left?

[illegible]

 [1]

- How much time does Jess need to save to achieve her target?

[illegible]

 [1]

- How much change will get if he pays with a £20 note?

[illegible]

[1]

Unit 9 Decimals

- | | | | |
|------------|-----|-----------|------|
| A 1 | 0.9 | 6 | 2.2 |
| 2 | 1.8 | 7 | 25.2 |
| 3 | 0.2 | 8 | 19.8 |
| 4 | 1.2 | 9 | 19.1 |
| 5 | 5.1 | 10 | 37.5 |

- B** 1 59.59
2 277.52
3 1 or
4 1055.0126
5 11 967.75

- C** 1 3802.18
2 14.8
3 3.15
4 3.6
5 54.4
6 138.046

Word problems

- D** 1 10.76 seconds
2 33.25 miles
3 20.8 cm
4 0.92 seconds
5 £5.13