

Adding Decimals - Worksheet

Skill

Group A - Adding decimals (no carrying)

Evaluate:

1) $0.1 + 6$

2) $0.1 + 7$

3) $0.2 + 7$

4) $2 + 0.7$

5) $0.2 + 0.7$

6) $0.20 + 0.7$

7) $0.22 + 0.7$

8) $0.02 + 0.7$

9) $0.02 + 0.07$

10) $0.12 + 0.07$

11) $0.22 + 0.07$

12) $0.22 + 0.06$

Group B - Adding decimals (carrying)

Evaluate:

1) $0.5 + 0.3$

2) $0.3 + 0.5$

3) $0.3 + 0.6$

4) $0.3 + 0.7$

5) $0.75 + 0.13 + 0.11$

6) $0.3 + 0.8$

7) $0.3 + 0.88$

8) $0.3 + 0.87$

9) $0.3 + 0.77$

10) $0.33 + 0.77$

11) $0.43 + 0.77$

12) $0.43 + 0.07$

Group C - Adding decimals (mixed)

Evaluate:

1) $6.5 + 1.73$

2) $0.56 + 1.6$

3) $2.45 + 7.8$

4) $20.6 + 15.84$

5) $41.8 + 5.35$

6) $7.4 + 2.329$

7) $0.018 + 2.39$

8) $9.224 + 8.89$

9) $0.293 + 9.815$

10) $9.023 + 4.87$

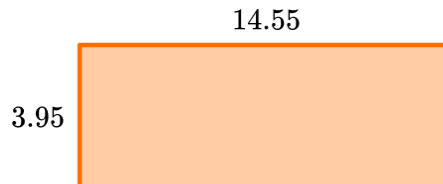
11) $4.5 + 0.3 + 0.79 + 1.4$

12) $0.94 + 4.8 + 12.09 + 5.63$

Adding Decimals - Worksheet

Applied

- 1) Below is a rectangle.



Calculate the perimeter.

- 2) Find the missing number:

$$\underline{\hspace{2cm}} - 2.4 = 5.78$$

- 3) Matt rides his bike 2.4 miles to meet his friend.
They then cycle a further 3.25 miles to the park.

How far did Matt cycle to get to the park?

- 4) The first four terms of an arithmetic sequence are

$$3.52, \quad 3.71, \quad 3.9, \quad 4.09, \quad \dots$$

Work out the next two terms.

- 5) Luke writes down three different numbers with a sum of 50.

All the numbers have two decimal places.

Write down three possible numbers Luke could have written down.

Adding Decimals - Exam Questions

- 1) (a) Calculate $17.8 + 2.53$

.....
(1)

- (b) Work out $1.5 + 0.36 + 10.4$

.....
(1)
(2 marks)

-
- 2) Paul's basic pay is £9.55 per hour.
On a Sunday he gets an extra £1.63 per hour.
How much is Paul paid per hour on a Sunday?

£.....
(2 marks)

-
- 3) Donna is 1.46 metres tall.
Laura is 13 centimetres taller than Donna.
Work out Laura's height in metres.

.....metres
(2 marks)

Adding Decimals - Exam Questions

- 4) Shown below is a rectangle.



All dimensions are given in cm.

Find the perimeter of the rectangle.

.....cm
(2 marks)


Adding Decimals - Answers

	Question	Answer
	Skill Questions	
Group A	Evaluate: 1) $0.1 + 6$ 2) $0.1 + 7$ 3) $0.2 + 7$ 4) $2 + 0.7$ 5) $0.2 + 0.7$ 6) $0.20 + 0.7$ 7) $0.22 + 0.7$ 8) $0.02 + 0.7$ 9) $0.02 + 0.07$ 10) $0.12 + 0.07$ 11) $0.22 + 0.07$ 12) $0.22 + 0.06$	1) 6.1 2) 7.1 3) 7.2 4) 2.7 5) 0.9 6) 0.9 7) 0.92 8) 0.72 9) 0.09 10) 0.19 11) 0.29 12) 0.28
Group B	Evaluate: 1) $0.5 + 0.3$ 2) $0.3 + 0.5$ 3) $0.3 + 0.6$ 4) $0.3 + 0.7$ 5) $0.75 + 0.13 + 0.11$ 6) $0.3 + 0.8$ 7) $0.3 + 0.88$	1) 0.8 2) 0.8 3) 0.9 4) 1 5) 0.99 6) 1.1 7) 1.18


Adding Decimals - Answers

Group B contd	8) $0.3 + 0.87$ 9) $0.3 + 0.77$ 10) $0.33 + 0.77$ 11) $0.43 + 0.77$ 12) $0.43 + 0.07$	8) 1.17 9) 1.07 10) 1.1 11) 1.2 12) 0.5
Group C	Evaluate: 1) $6.5 + 1.73$ 2) $0.56 + 1.6$ 3) $2.45 + 7.8$ 4) $20.6 + 15.84$ 5) $41.8 + 5.35$ 6) $7.4 + 2.329$ 7) $0.018 + 2.39$ 8) $9.224 + 8.89$ 9) $0.293 + 9.815$ 10) $9.023 + 4.87$ 11) $4.5 + 0.3 + 0.79 + 1.4$ 12) $0.94 + 4.8 + 12.09 + 5.63$	1) 8.23 2) 2.16 3) 10.25 4) 36.44 5) 47.15 6) 9.729 7) 2.408 8) 18.114 9) 10.108 10) 13.893 11) 6.99 12) 23.46

Adding Decimals - Answers

	Question	Answer
	Applied Questions	
1)	<p>Below is a rectangle.</p> <div style="text-align: center;"> 14.55  </div> <p>3.95</p> <p>Calculate the perimeter.</p>	37
2)	<p>Find the missing number.</p> $\underline{\hspace{2cm}} - 2.4 = 5.78$	8.18
3)	<p>Matt rides his bike 2.4 miles to meet his friend. They then cycle a further 3.25 miles to the park. How far did Matt cycle to get to the park?</p>	5.65 miles
4)	<p>The first four terms of an arithmetic sequence are</p> <p style="text-align: center;">$3.52, 3.71, 3.9, 4.09, \dots$</p> <p>Work out the next two terms.</p>	4.28, 4.47
5)	<p>Luke writes down three different numbers with a sum of 50. All the numbers have two decimal places. Write down three possible numbers Luke could have written down.</p>	<p>Any three different numbers, to two decimal places, that add to 50.</p> <p>Example: $17.21 + 25.48 + 7.31 = 50$</p>

Adding Decimals - Answers

	Question	Answer	
	Exam Questions		
1) (a)	Calculate $17.8 + 2.53$	(a) 20.33	(1)
(b)	Work out $1.5 + 0.36 + 10.4$	(b) 12.26	(1)
2)	Paul's basic pay is £9.55 per hour. On a Sunday he gets an extra £1.63 per hour. How much is Paul paid per hour on a Sunday?	$9.55 + 1.63$ 11.18	(1) (1)
3)	Donna is 1.46 metres tall. Laura is 13 centimetres taller than Donna. Work out Laura's height in metres.	$1.46 + 0.13$ 1.59 metres	(1) (1)
4)	<p>Shown below is a rectangle.</p> <div style="text-align: center; margin-bottom: 10px;">18.6</div> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="margin-right: 10px;">6.4</div>  </div> <p>All dimensions are given in cm.</p> <p>Find the perimeter of the rectangle.</p>	$18.6 + 18.6 + 6.4 + 6.4$ 50	(1) (1)

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