

Boost Free Lessons - Year 5 Maths

Lesson 13: Adding and Subtracting Decimals

Name: _____ Grade: _____ Date: _____

Worked Example 1

Work out $12.6 + 4.85$.

$$\begin{array}{r}
 1 2 .6 0 \\
 + 4 .8 5 \\
 \hline
 1 7 .4 5
 \end{array}$$

1. Line up the **decimal points**, not the last digits.
2. Add a zero so both numbers have the same number of decimal places: 12.60 and 4.85.
3. Add from the right: $0 + 5 = 5$, then $6 + 8 = 14$, so write 4 and carry 1.
4. Bring the decimal point straight down into the answer.

$12.6 + 4.85 = 17.45$

Worked Example 2

Work out $8.4 - 3.75$.

1. Write 8.4 as 8.40 so both have two decimal places.
2. Hundredths: $0 - 5$ will not work, so regroup: $10 - 5 = 5$.
3. Tenths: $3 - 7$ will not work, so regroup again: $13 - 7 = 6$.
4. Ones: $7 - 3 = 4$. Bring the decimal point down.

$8.4 - 3.75 = 4.65$

Remember: Line up the **decimal points** and fill any gaps with zeros so both numbers have the same number of decimal places. Bring the decimal point straight down into the answer.



Question 1: Work out the following.

1. $3.4 + 2.5$

2. $6.7 + 1.85$

3. $12.3 + 4.09$

4. $9.62 + 3.4$

5. $7.8 - 2.3$

6. $5.4 - 1.75$

7. $10.2 - 6.48$

8. $8 - 3.6$



Question 2: Answer the following.

1. Work out $24.75 + 13.6$.

2. Work out $30 - 12.45$.

3. Work out $5.6 + 3.45 + 2.8$.

4. What must be added to 6.35 to make 10?

5. Estimate $19.8 + 12.3$ by rounding to the nearest whole number.

6. Work out $100 - 47.85$.



Question 3: Answer the following questions.

1. Mia bought items costing \$12.50 and \$8.75. How much did she spend?
2. A plank 2.5 m long has 0.85 m cut off. How much is left?
3. Three parcels weigh 1.4 kg, 2.35 kg and 0.8 kg. Find the total mass.
4. Sam had \$50 and spent \$23.65. How much is left?
5. A runner's times were 12.4 and 11.85 seconds. What was the difference?





Every student has gaps. The hard part is knowing exactly where they are.
That is what a Boost assessment is for.

Book a Free Assessment

Normally valued at \$199, free for new families

- A friendly skills check aligned to the NSW syllabus
- Face to face with our qualified tutors
- A clear picture of your child's strengths and gaps
- A weekly plan built around what they actually need

Book a Free Assessment →

boosttutoring.com.au/contact



Answers: Adding and Subtracting Decimals**Question 1**

1. 5.9
2. 8.55
3. 16.39
4. 13.02
5. 5.5
6. 3.65
7. 3.72
8. 4.4

Question 2

1. 38.35
2. 17.55
3. 11.85
4. 3.65
5. 32
6. 52.15

Question 3

1. \$21.25
2. 1.65 m
3. 4.55 kg
4. \$26.35
5. 0.55 seconds

