

Adding and Subtracting Decimals Correctly

Unit: Decimals - Student Practice Worksheet

Overview: Two friends, Ishaan and Diya, raced to add 12.5 and 3.75 without a calculator. Ishaan finished first and shouted '15.00!' Diya finished a moment later with '16.25'. Only one tape measure was going to prove which of them had actually got it right.

Practice Questions (30 Total)

Section A - Easy

Q1. Tenths stacked: 0.5 plus 0.3. Sum?

0.5	
+ 0.3	points line up

- ☐ A. 0.8
- ☐ B. 0.53
- ☐ C. 0.35
- ☐ D. 8.0

Q2. Compute $1.2 + 2.3$

- ☐ A. 1.5
- ☐ B. 3.5
- ☐ C. 3.23
- ☐ D. 35

Q3. Compute $0.7 - 0.4$

- ☐ A. 1.1
- ☐ B. 0.11
- ☐ C. 0.3
- ☐ D. 3.0

Q4. Two quarter-bars joined. Sum?

0.25

+ 0.25

two quarters

- ☐ A. 0.5
- ☐ B. 0.55
- ☐ C. 5.0
- ☐ D. 0.05

Q5. Compute $5.5 - 2.1$

- ☐ A. 3.6
- ☐ B. 7.6
- ☐ C. 2.4
- ☐ D. 3.4

Q6. Compute $8.9 - 3.5$

- ☐ A. 5.6
- ☐ B. 12.4
- ☐ C. 5.4
- ☐ D. 4.4

Q7. Nine tenths plus one tenth. Sum?

0.9

+ 0.1

makes one whole

- ☐ A. 0.10
- ☐ B. 0.91
- ☐ C. 10.0
- ☐ D. 1.0

Q8. Compute $3.6 + 1.4$

- ☐ A. 4.0
- ☐ B. 5.0
- ☐ C. 4.10
- ☐ D. 5.10

Q9. Compute $6.4 - 2.4$

- ☐ A. 0
- ☐ B. 4.0
- ☐ C. 8.8
- ☐ D. 4.8

Q10. Line up 2.75 and 1.25, then add.

2.75	
+ 1.25	4.00

- ☐ A. 4.00
- ☐ B. 3.100
- ☐ C. 3.90
- ☐ D. 3.00

Section B - Medium

Q11. Points aligned: 12.50 plus 3.75. Sum?

12.50	
+ 3.75	pad the 5

- ☐ A. 16.25
- ☐ B. 15.00
- ☐ C. 15.25
- ☐ D. 16.00

Q12. Compute $20 - 4.5$

- ☐ A. 16.5
- ☐ B. 15.5
- ☐ C. 24.5
- ☐ D. 15.4

Q13. Compute $10.2 - 3.45$

- ☐ A. 7.85
- ☐ B. 6.85
- ☐ C. 13.65
- ☐ D. 6.75

Q14. 5.06 plus 2.40 with a padded zero. Sum?

5.06	
+ 2.40	pad a zero

- ☐ A. 5.30
- ☐ B. 7.10
- ☐ C. 7.46
- ☐ D. 5.46

Q15. Compute $15 - 0.75$

- ☐ A. 15.75
- ☐ B. 14.25
- ☐ C. 14.35
- ☐ D. 14.75

Q16. Compute $3.5 + 4.25 + 1.75$

- ☐ A. 8.5
- ☐ B. 9.35
- ☐ C. 9.5
- ☐ D. 10.5

Q17. 0.75 plus 0.80 stacked. Sum?

0.75	
+ 0.80	tenths then hundredths

- ☐ A. 1.55
- ☐ B. 0.83
- ☐ C. 1.45
- ☐ D. 8.75

Q18. Compute $100 - 45.65$

- ☐ A. 55.35
- ☐ B. 54.45
- ☐ C. 145.65
- ☐ D. 54.35

Q19. Compute $25.5 - 18.75$

- ☐ A. 7.25
- ☐ B. 6.75
- ☐ C. 6.25
- ☐ D. 44.25

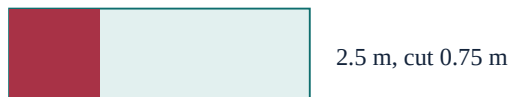
Q20. Add 7.08 and 12.9 after lining up the points.

7.08	line up points
+12.90	

- ☐ A. 19.98
- ☐ B. 19.17
- ☐ C. 18.98
- ☐ D. 20.08

Section C - Challenge

Q21. Rod 2.5 m with 0.75 m maroon cut off. Length left?



- ☐ A. 1.75 m
- ☐ B. 1.85 m
- ☐ C. 2.25 m
- ☐ D. 1.25 m

Q22. Ravi bought items for Rs 12.50, Rs 8.75 and Rs 4.25. Find the total.

- ☐ A. Rs 24.50
- ☐ B. Rs 25.50
- ☐ C. Rs 25.40
- ☐ D. Rs 26.50

Q23. From Rs 100 you spend Rs 34.60 and Rs 28.75. How much is left?

- ☐ A. Rs 37.65
- ☐ B. Rs 36.75
- ☐ C. Rs 36.65
- ☐ D. Rs 63.35

Q24. Three mass bars stacked. Total kg?



$$3.5 + 2.75 + 1.25 \text{ kg}$$

- ☐ A. 6.5 kg
- ☐ B. 7.0 kg
- ☐ C. 8.5 kg
- ☐ D. 7.5 kg

Q25. What must be added to 4.65 to get 10?

- ☐ A. 5.35
- ☐ B. 6.35
- ☐ C. 5.45
- ☐ D. 14.65

Q26. Subtract 2.375 from 5.

- ☐ A. 3.625
- ☐ B. 2.625
- ☐ C. 2.525
- ☐ D. 7.375

Q27. Jug 1.5 L, two maroon pours of 0.35 L. Left?



- ☐ A. 1.15 L
- ☐ B. 0.85 L
- ☐ C. 0.8 L
- ☐ D. 1.2 L

Q28. Diya said Ishaan's 5 was 'worth' something different from her 5. What did she mean?

- ☐ A. His number was written in a different colour
- ☐ B. His 5 sat in the hundredths column while hers sat in the tenths, because the points did not align
- ☐ C. 5 always means five, no matter where it sits
- ☐ D. Her number was rounded and his was not

Q29. Compute $12.05 + 3.9 - 6.45$

- ☐ A. 9.4
- ☐ B. 10.5
- ☐ C. 22.4
- ☐ D. 9.5

Q30. Sum is 8.5 and one addend is 3.75. Find the other.



- ☐ A. 4.75
- ☐ B. 5.75
- ☐ C. 4.25
- ☐ D. 12.25

Answer Key

- Q1:** (A) (a) 0.8. Five tenths plus three tenths.
- Q2:** (B) (b) 3.5. Both numbers already have the same number of decimal places.
- Q3:** (C) (c) 0.3. Seven tenths minus four tenths.
- Q4:** (A) (a) 0.5. A quarter plus a quarter makes a half.
- Q5:** (D) (d) 3.4. Both parts subtract without any borrowing.
- Q6:** (C) (c) 5.4. No borrowing needed in either column.
- Q7:** (D) (d) 1.0. Nine tenths plus one tenth makes a whole.
- Q8:** (B) (b) 5.0. The tenths column totals 10, carrying into the ones.
- Q9:** (B) (b) 4.0. Both decimal parts are equal, so they cancel exactly.
- Q10:** (A) (a) 4.00. The hundredths and tenths both carry through to a clean whole number.
- Q11:** (A) (a) 16.25. Option (a) is Ishaan's mistake — matching the last digit instead of the decimal point.
- Q12:** (B) (b) 15.5. Give 20 a decimal point first (20.0), then borrow across it just like borrowing across a zero in whole numbers.
- Q13:** (D) (d) 6.75. Pad 10.2 to 10.20 first, then borrow through the hundredths and tenths columns.
- Q14:** (C) (c) 7.46. Pad 2.4 to 2.40 before adding, so hundredths line up with a zero.
- Q15:** (B) (b) 14.25. Give 15 two decimal places (15.00) and borrow through both.
- Q16:** (C) (c) 9.5. Pad 3.5 to 3.50 to line up with the other two decimal places.
- Q17:** (A) (a) 1.55. Pad 0.8 to 0.80 first.
- Q18:** (D) (d) 54.35. Give 100 two decimal places (100.00) and borrow all the way through.
- Q19:** (B) (b) 6.75. Pad 25.5 to 25.50 before subtracting.
- Q20:** (A) (a) 19.98. Pad 12.9 to 12.90 first.
- Q21:** (A) (a) 1.75 m. Pad 2.5 to 2.50 first, then subtract 0.75.
- Q22:** (B) (b) Rs 25.50. All three already share two decimal places, so add straight down.
- Q23:** (C) (c) Rs 36.65. First add the two spends to 63.35, then subtract from 100.00. Option (d) forgets the final subtraction.
- Q24:** (D) (d) 7.5 kg. Pad 3.5 to 3.50 before adding all three.
- Q25:** (A) (a) 5.35. Give 10 two decimal places (10.00) and subtract 4.65 from it.
- Q26:** (B) (b) 2.625. Give 5 three decimal places (5.000) to match, then borrow through all of them.
- Q27:** (C) (c) 0.8 L. Two pours remove 0.70 L in total, leaving $1.50 - 0.70$.
- Q28:** (B) (b) His 5 sat in the hundredths column while hers sat in the tenths, because the points did not align. This is the same place-value idea from whole numbers applied past the decimal

point.

Q29: (D) (d) 9.5. Add the first two to 15.95, then subtract 6.45.

Q30: (A) (a) 4.75. Subtract the known part from the total, padding 8.5 to 8.50 first.

You've got this! Keep learning and shining! - Ruchi Math Coaching