

Adding and Subtracting Decimals: math practice, Grade 5 – download the PDF

21 problems graded by difficulty (★ easy, ★★ medium, ★★★ hard). Try first, without looking at the solutions!

1 Estimate by rounding



Round each number to the nearest whole number and estimate. Do not calculate the exact answer.

- a. $6.8 + 3.2$
- b. $9.4 + 2.7$
- c. $15.6 - 8.3$
- d. $20.9 - 4.1$

2 Add decimals



Add.

- a. $3.4 + 5.2$
- b. $12.7 + 0.8$
- c. $4.25 + 3.31$
- d. $0.46 + 0.38$

3 Subtract decimals



Subtract.

- a. $8.9 - 3.4$
- b. $7.5 - 2.8$
- c. $9.86 - 4.32$
- d. $6.47 - 0.25$

4 Set it up vertically



Write $5.2 + 14.63$ in a column with the decimal points lined up, then add.

5 True or false?



Say whether each statement is true or false, and explain.

- a. $3.5 + 2.4 = 5.9$
- b. $0.7 + 0.5 = 0.12$
- c. $6.3 - 0.3 = 6$

6 Pencil case



Ben buys a pencil case for \$4.75 and a notebook for \$2.30. (a) How much does he spend?
(b) How much change does he get from a \$10 bill?

7 Placeholder zeros



Use placeholder zeros to compute. (a) $6.4 + 2.95$ (b) $8 - 3.6$

8

Estimate, then calculate

Estimate $23.78 + 15.46$ by rounding to the nearest whole number. Then find the exact sum and compare.

9

Regrouping practice

Subtract.

a. $30.5 - 12.74$

b. $5.03 - 2.48$

c. $100 - 46.37$

10

Three addends

Find $4.5 + 12.75 + 0.08$.

11

Find the mistake

Sam wrote $3.6 + 2.45 = 2.81$. Explain his mistake and find the correct sum.

12

Missing numbers

Find the missing number. (a) $7.4 + \underline{\quad} = 11.05$ (b) $\underline{\quad} - 4.38 = 6.9$

13

Rainfall

A rain gauge showed 1.35 inches on Monday, 0.8 inch on Tuesday and 2.07 inches on Wednesday. (a) Find the total rainfall. (b) How much more rain fell on Wednesday than on Tuesday?

14 Cutting a board

A board is 2.5 meters long. A carpenter cuts off a piece of 0.85 meter and another piece of 1.2 meters. How long is the piece that is left?

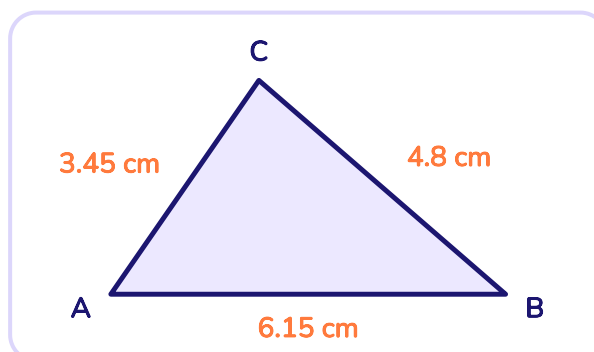
15 Greater than 10?

Decide whether each sum is greater than, less than or equal to 10. Calculate exactly, because the estimates are too close to tell.

- a. $4.9 + 5.2$
- b. $3.75 + 6.2$
- c. $5.08 + 4.93$

16 Lunch money

Leo buys a sandwich for \$6.45, juice for \$2.79 and a cookie for \$1.35. He pays with a \$20 bill. (a) What is the total? (b) How much change does he get? (c) Can he also buy a magazine that costs \$9.50 with that change?

17 Perimeter of a triangle

Triangle ABC has sides of 3.45 cm, 4.8 cm and 6.15 cm. Find its perimeter.

18 Swim meet

In a swim meet Ava finished in 28.67 seconds, Ben in 31.2 seconds and Cora in 29.9 seconds. (a) What is the difference between the slowest and the fastest time? (b) What is the sum of the three times?

19 Digit puzzle

Use each digit 1, 3, 5 and 7 exactly once to fill the boxes in $\square.\square + \square.\square$. (a) What is the greatest sum you can make? (b) What is the least sum?

20 Savings account

Nina has \$42.50. She spends \$18.75 on shoes, earns \$12.40 walking dogs, and then buys a gift for \$9.95. How much money does she have now?

21 Fuel tank

A fuel tank holds 14.5 gallons. It already contains 3.75 gallons, and a driver adds 6.8 gallons. How many more gallons will fit in the tank?

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