

# Grade 5 - Adding and Subtracting Decimals - Quiz

Common Core 5.NBT.B.7 · maths-pdf.fr/en/

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Answer these 10 multiple-choice questions about adding and subtracting decimals. Choose the one best answer for each question. Some questions show a receipt or a hundredths grid. Read each explanation to learn how to avoid common mistakes.

**Grade 5** · Common Core State Standards: **5.NBT.B.7**

## Questions

### Question 1

What is  $0.6 + 0.7$ ?

- A. 1.3
- B. 0.13
- C. 1.03
- D. 13

### Question 2

What is  $4.5 + 2.35$ ?

- A. 2.80
- B. 6.80
- C. 7.85
- D. 6.85

### Question 3

What is  $7 - 2.38$ ?

- A. 5.38
- B. 4.62
- C. 5.62
- D. 4.72

### Question 4

What is  $20.5 - 7.38$ ?

$$\begin{array}{r}
 20.50 \\
 - 7.38 \\
 \hline
 \text{?????}
 \end{array}$$

Lined up.

- A. 13.28
- B. 12.88
- C. 13.12
- D. 14.12

### Question 5

Which is the best estimate for  $18.7 + 5.34$ ?

- A. 14
- B. 23
- C. 24
- D. 240

### Question 6

What is the first step when you add 3.5 and 12.25 in columns?

- A. Line up the last digits
- B. Line up the decimal points
- C. Round both numbers to tens
- D. Subtract the smaller number from the larger

### Question 7

Maya buys the items on the receipt. How much does she spend?

| SCHOOL STORE |        |
|--------------|--------|
| Notebook     | \$3.49 |
| Folder       | \$1.75 |
| Markers      | \$2.30 |

Maya's receipt.

- A. \$7.54
- B. \$6.54
- C. \$7.44

D. \$75.40

### Question 8

Jamal pays \$20 for a glove that costs \$13.68. How much change does he get?

- A. \$7.32
- B. \$6.32
- C. \$6.68
- D. \$6.42

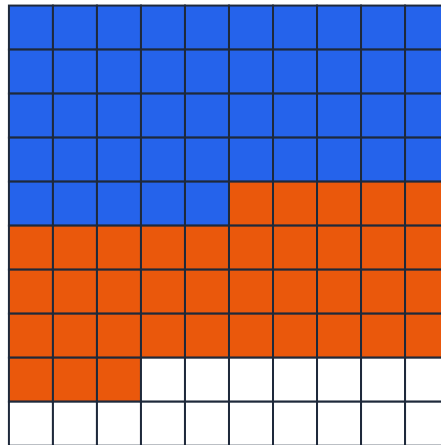
### Question 9

A plant is 14.2 inches tall and grows 3.75 inches. How tall is it now?

- A. 17.95 inches
- B. 17.57 inches
- C. 18.95 inches
- D. 14.95 inches

### Question 10

The grid shows 45 squares in blue and 38 squares in orange. What is the sum of the shaded parts?



Shaded grid.

- A. 0.73
- B. 0.083
- C. 8.3
- D. 0.83

## Answers

1. **A** – 6 tenths plus 7 tenths is 13 tenths, which is 1.3.
2. **D** – Write 4.5 as 4.50. Then  $4.50 + 2.35 = 6.85$ . Lining up the right-most digits gives the wrong answer 2.80.
3. **B** – Write 7 as 7.00. Then  $7.00 - 2.38 = 4.62$ . Check:  $4.62 + 2.38 = 7.00$ .
4. **C** – Write 20.5 as 20.50. Then  $20.50 - 7.38 = 13.12$ .
5. **C** – 18.7 rounds to 19 and 5.34 rounds to 5.  $19 + 5 = 24$ .
6. **B** – Digits with the same place value must be in the same column, so the decimal points must line up.
7. **A** –  $3.49 + 1.75 = 5.24$  and  $5.24 + 2.30 = 7.54$ .
8. **B** –  $20.00 - 13.68 = 6.32$ . Check:  $6.32 + 13.68 = 20.00$ .
9. **A** –  $14.20 + 3.75 = 17.95$ . Write 14.2 as 14.20 so the places line up.
10. **D** –  $0.45 + 0.38 = 0.83$ . That is 83 hundredths.

## Remember

- Line up the decimal points so tenths are over tenths and hundredths are over hundredths.
- Write placeholder zeros so both numbers have the same number of decimal places.
- Regroup in decimals the same way you regroup whole numbers.
- Estimate by rounding to the nearest whole number to check the answer.
- Use the opposite operation to check: add the difference back to the subtracted number.