

Grade 5 - Adding and Subtracting Decimals - Answer Key

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

This answer key shows each step for the 20 decimal addition and subtraction problems. Check that the decimal points are lined up and that placeholder zeros are in the right place. Each key also checks the answer with the opposite operation.

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

Exercise 1 - Add tenths

6 tenths plus 7 tenths is 13 tenths.

13 tenths is 1 and 3 tenths.

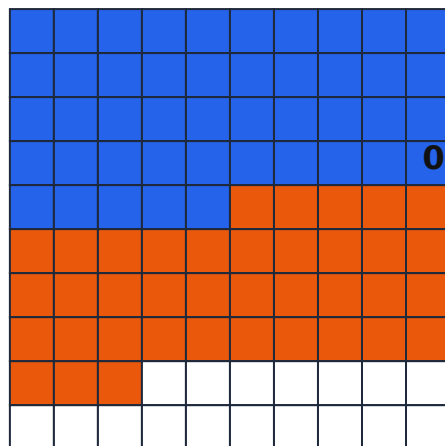
Answer: **1.3**

Exercise 2 - Hundredths grid

Blue: 0.45. Orange: 0.38.

$0.45 + 0.38$: $45 + 38 = 83$ hundredths.

Answer: **0.83**



$$0.45 + 0.38 = 0.83$$

Total shaded: 83 squares.

Exercise 3 - Line up the points

Write 3.5 as 3.50 and line up the decimal points.

$3.50 + 2.25$: hundredths $0 + 5 = 5$, tenths $5 + 2 = 7$, ones $3 + 2 = 5$.

Answer: **5.75**

Exercise 4 - Add with regrouping

Hundredths: $8 + 5 = 13$, write 3, regroup 1.

Tenths: $7 + 4 + 1 = 12$, write 2, regroup 1.

Ones: $4 + 6 + 1 = 11$, write 1, regroup 1. Tens: $1 + 1 = 2$.

Answer: **21.23**

Exercise 5 - Whole number plus decimal

Write 8 as 8.00. Add: $8.00 + 3.64 = 11.64$.

Answer: **11.64**

Exercise 6 - Three addends

Write with two decimal places: 2.50, 4.75, 10.20.

$2.50 + 4.75 = 7.25$. $7.25 + 10.20 = 17.45$.

Answer: **17.45**

Exercise 7 - Subtract tenths

12 tenths minus 7 tenths is 5 tenths.

Answer: **0.5**

Exercise 8 - Subtract hundredths

83 hundredths minus 45 hundredths is 38 hundredths.

Check: $0.38 + 0.45 = 0.83$.

Answer: **0.38**

Exercise 9 - Subtract from a whole number

Write 7 as 7.00. Regroup: $7.00 - 2.38 = 4.62$.

Check: $4.62 + 2.38 = 7.00$.

Answer: **4.62**

Exercise 10 - Regroup across zeros

Write 20.5 as 20.50. Subtract: hundredths $10 - 8 = 2$ (after regrouping), tenths $4 - 3 = 1$, ones $9 - 7 = 2$, tens 1.

Check: $13.12 + 7.38 = 20.50$.

Answer: **13.12**

$$\begin{array}{r} 20.50 \\ - 7.38 \\ \hline 13.12 \end{array}$$

The difference is 13.12.

Exercise 11 - Larger difference

Regroup: $6 - 9$ needs regrouping. $45.06 - 18 = 27.06$, then $27.06 - 0.79 = 26.27$.

Check: $26.27 + 18.79 = 45.06$.

Answer: **26.27**

Exercise 12 - Estimate a sum

Estimate: 18.7 rounds to 19 and 5.34 rounds to 5. $19+5=24$.

Exact: $18.70+5.34=24.04$.

Answer: estimate **24**, exact **24.04**

Exercise 13 - Estimate a difference

Estimate: 32.48 rounds to 32 and 9.9 rounds to 10. $32-10=22$.

Exact: $32.48-9.90=22.58$.

Answer: estimate **22**, exact **22.58**

Exercise 14 - Missing addend

Subtract: $9.25-5.60=3.65$.

Check: $5.60+3.65=9.25$.

Answer: **3.65**

Exercise 15 - School store receipt

$3.49+1.75=5.24$. $5.24+2.30=7.54$.

Maya spends \$7.54.

SCHOOL STORE	
Notebook	\$3.49
Folder	\$1.75
Markers	\$2.30
Total	\$7.54

Total: \$7.54.

Exercise 16 - Making change

$$20.00 - 13.68 = 6.32.$$

$$\text{Check: } 6.32 + 13.68 = 20.00.$$

Jamal gets **\$6.32** in change.

Exercise 17 - Jogging miles

$$\text{Write 3.4 as 3.40. } 2.75 + 3.40 = 6.15. \quad 6.15 + 1.95 = 8.10.$$

Aisha jogs **8.1 miles** in all.

Exercise 18 - Growing plant

$$\text{Grows: } 14.20 + 3.75 = 17.95.$$

$$\text{Trimmed: } 17.95 - 2.50 = 15.45.$$

The plant is **15.45 inches** tall.

Exercise 19 - Swim times

$$38.47 - 36.90 = 1.57.$$

$$\text{Check: } 36.90 + 1.57 = 38.47.$$

Priya is faster by **1.57 seconds**.

Exercise 20 - Farmers market budget

$$\text{Total spent: } 8.75 + 6.40 = 15.15, \quad 15.15 + 12.95 = 28.10.$$

$$\text{Left: } 50.00 - 28.10 = 21.90.$$

Diego has **\$21.90** left.