

Grade 5 - Adding and Subtracting Decimals - Test Answer Key

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

Use this answer key to grade the decimals test. Each solution shows the aligned work and a scoring guide. The total is 20 points. Look for lined up decimal points, correct placeholder zeros and a check by the opposite operation.

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

Question 1 - Add decimals [2 pts]

(a) 7 tenths + 5 tenths = 12 tenths. **1.2**

(b) $6.35 + 2.40 = 8.75$. **8.75**

Scoring: 1 point for each correct sum.

Question 2 - Add with regrouping [2 pts]

Hundredths: $6 + 8 = 14$, write 4, regroup 1. Tenths: $7 + 5 + 1 = 13$, write 3, regroup 1. Ones: $8 + 9 + 1 = 18$, write 8, regroup 1. Tens: $3 + 1 + 1 = 5$.

Answer: **58.34**

Scoring: 1 point for correct alignment and regrouping, 1 point for the correct sum.

Question 3 - Subtract decimals [2 pts]

(a) $5.2 - 1.8 = 3.4$. **3.4**

(b) $9.00 - 4.57 = 4.43$. **4.43**

Scoring: 1 point for each correct difference.

Question 4 - Subtract with regrouping [2 pts]

$63.04 - 27 = 36.04$, then $36.04 - 0.89 = 35.15$.

Check: $35.15 + 27.89 = 63.04$.

Answer: **35.15**

Scoring: 1 point for correct regrouping, 1 point for the correct difference.

Question 5 - Estimate and check [2 pts]

Estimate: $48 + 22 = 70$.

Exact: $47.80 + 22.30 = 70.10$.

Answer: estimate **70**, exact **70.1**

Scoring: 1 point for the estimate, 1 point for the exact sum.

Question 6 - Ethan's sum [2 pts]

Ethan lined up the right-most digits instead of the decimal points, so he added tenths to hundredths. Line up the points: $3.60 + 2.45 = 6.05$.

Answer: **6.05**

Scoring: 1 point for the explanation (decimal points not lined up), 1 point for 6.05.

Question 7 - Lunch receipt [3 pts]

(a) $6.75 + 2.49 = 9.24$. $9.24 + 1.35 = 10.59$. \$10.59

(b) $20.00 - 10.59 = 9.41$. \$9.41

CAFE	
Sandwich	\$6.75
Juice	\$2.49
Cookie	\$1.35
Total	\$10.59

Total: \$10.59.

Scoring: (a) 1 point for adding the first two prices correctly, 1 point for the total. (b) 1 point.

Question 8 - Weekend run [3 pts]

(a) $3.40 + 2.85 = 6.25$. **6.25 miles**

(b) $8.00 - 6.25 = 1.75$. **1.75 miles**

Check: $6.25 + 1.75 = 8.00$.

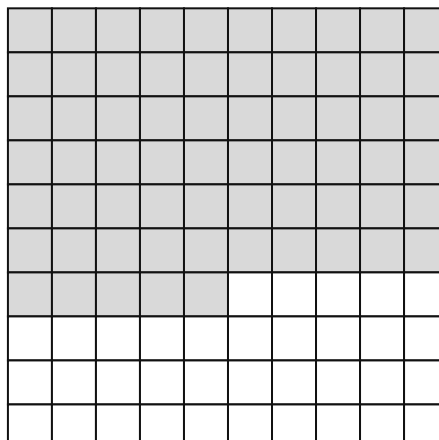
Scoring: (a) 1 point. (b) 1 point for setting up $8 - 6.25$, 1 point for the answer.

Question 9 - Shaded grid [2 pts]

Gray: 0.36. Light gray: 0.29.

$0.36 + 0.29 = 0.65$.

Answer: **0.65**



65 squares shaded.

Scoring: 1 point for the decimals 0.36 and 0.29, 1 point for 0.65.

Total
20 points