LESSON MAKER PRO

Decimal Decisions

Add and subtract decimals to solve everyday problems.

GRADE 5 · 5.NBT.B.8.b

5.NBT.B.8.b "Solve problems in a real-world context with decimals to hundredths."

NAME _____ DATE _____

LINE UP THE PLACES

To add or subtract decimals, line up the decimal points so tenths match tenths and hundredths match hundredths. Check that your answer makes sense in the story.

WORKED EXAMPLE

A craft club buys ribbon for $4.65 and beads for $2.18. What is the total cost?

1. Line up the decimal points: 4.65 + 2.18.
2. Hundredths: 5 + 8 = 13. Write 3 and carry 1.
3. Tenths: 6 + 1 + 1 = 8.
4. Ones: 4 + 2 = 6.

Answer: $6.83

PRACTICE 6 problems

1 A smoothie costs $3.75 and a snack costs $2.40. What is the total cost?

ANSWER _____

2 A trail is 8.90 km long. You have walked 3.26 km. How much farther is it to the end?

ANSWER _____

3 A puzzle costs $6.48 and a pen costs $1.27. What is the total cost?

ANSWER _____

4 A game download is 5.30 GB. You have downloaded 2.85 GB. How much is left to download?

ANSWER _____

5 A comic costs $7.56 and a bookmark costs $0.89. What is the total cost?

ANSWER _____

6 A water jug held 10.00 L and now has 4.37 L left. How many liters were used?

ANSWER _____

APPLY IT Show your work

1 You have $12.50 to spend at a school store. You buy a notebook for $3.84 and a set of pins for $2.67. How much money do you have left?

WORK SPACE

ANSWER _____

2 A group has 6.20 m of string. It cuts 1.75 m for one bracelet and 2.68 m for another. How much string is left?

WORK SPACE

ANSWER _____

CHALLENGE One step up

You have $15.00 for a school fair. Each game costs $4.75, and a snack costs $3.60. Can you pay for two games and one snack? Show your calculations and explain your answer.

WORK SPACE AND ANSWER

ANSWER KEY

Decimal Decisions

GRADE 5 · 5.NBT.B.8.b

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A smoothie costs $3.75 and a snack costs $2.40. What is the total cost?	**$6.15**
2	A trail is 8.90 km long. You have walked 3.26 km. How much farther is it to the end?	**5.64 km**
3	A puzzle costs $6.48 and a pen costs $1.27. What is the total cost?	**$7.75**
4	A game download is 5.30 GB. You have downloaded 2.85 GB. How much is left to download?	**2.45 GB**
5	A comic costs $7.56 and a bookmark costs $0.89. What is the total cost?	**$8.45**
6	A water jug held 10.00 L and now has 4.37 L left. How many liters were used?	**5.63 L**

PART 2 · APPLY IT

1. **$5.99** The items cost $3.84 + $2.67 = $6.51. Subtract that from $12.50 to get $5.99.
2. **1.77 m** The group cuts 1.75 + 2.68 = 4.43 m. Subtract 4.43 m from 6.20 m to get 1.77 m.

CHALLENGE

Yes. Two games and a snack cost $4.75 + $4.75 + $3.60 = $13.10, so you have $1.90 left.

Accept equivalent decimal forms when the unit is clear. Money amounts should be written to the nearest cent.