LESSON MAKER PRO

Change Counter

Count up to find the change.

GRADE 4 · 4.N.4

4.N.4 "Determine the value of bills and coins in order to solve monetary transactions. Select the fewest number of coins for a given amount of money up to one dollar..."

NAME _____ DATE _____

COUNT UP

To find change, count up from the cost to the amount paid. Add the amounts you counted. To make an amount with the fewest coins, use the largest coin that fits, then repeat with the amount left.

WORKED EXAMPLE

An item costs $4.18. You pay $6.00. How much change do you get?

1. $4.18 + $0.02 = $4.20
2. $4.20 + $0.80 = $5.00
3. $5.00 + $1.00 = $6.00
4. $0.02 + $0.80 + $1.00 = $1.82

Answer: $1.82

PRACTICE 6 problems

1 The cost is $2.46. You pay $5.00. How much change do you get?

ANSWER _____

2 The cost is $4.75. You pay $10.00. How much change do you get?

ANSWER _____

3 The cost is $6.28. You pay $10.25. How much change do you get?

ANSWER _____

4 The cost is $7.90. You pay $10.00. How much change do you get?

ANSWER _____

5 The cost is $13.67. You pay $20.00. How much change do you get?

ANSWER _____

6 The cost is $3.75. You pay $5.50. How much change do you get?

ANSWER _____

APPLY IT Show your work

1 A craft kit for making keychains costs $12.47. You pay with a $20 bill. How much change do you get?

WORK SPACE

ANSWER _____

2 A comic book costs $8.35. You pay with a $10 bill and two quarters. How much change do you get?

WORK SPACE

ANSWER _____

CHALLENGE One step up

An arcade game card costs $9.34. You pay $10.00. How much change do you get? Use only quarters, dimes, nickels, and pennies. Name the fewest coins that make the change, and explain why you cannot use fewer.

WORK SPACE AND ANSWER

ANSWER KEY

Change Counter

GRADE 4 · 4.N.4

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	The cost is $2.46. You pay $5.00. How much change do you get?	**$2.54**
2	The cost is $4.75. You pay $10.00. How much change do you get?	**$5.25**
3	The cost is $6.28. You pay $10.25. How much change do you get?	**$3.97**
4	The cost is $7.90. You pay $10.00. How much change do you get?	**$2.10**
5	The cost is $13.67. You pay $20.00. How much change do you get?	**$6.33**
6	The cost is $3.75. You pay $5.50. How much change do you get?	**$1.75**

PART 2 · APPLY IT

1. **$7.53** Subtract $12.47 from $20.00 to get $7.53.
2. **$2.15** The amount paid is $10.50. Subtract $8.35 to get $2.15.

CHALLENGE

$0.66. Use 2 quarters, 1 dime, 1 nickel, and 1 penny, for 5 coins. A penny is needed to make the final cent. With 2 quarters, the remaining 15 cents needs 2 coins; using fewer quarters would take more coins.

Accept counting up or subtraction for change. For the challenge, accept any clear explanation that establishes why fewer than 5 coins will not make $0.66.