

Name _____

1. Two rock samples have masses of 56.24 grams and 8.98 grams. What is the estimated total mass if you round the decimals to the nearest tenth?

- (A) 65.0
- (B) 65.2
- (C) 65.3
- (D) 66.0

2. Estimate the sum of \$4.28, \$21.35, and \$14.65 by rounding each number to the nearest tenth.

- (A) \$40.30
- (B) \$41.00
- (C) \$38.00
- (D) \$40.40

3. What is the sum?

$$5.92 + 3.48$$

- (A) 8.30
- (B) 9.30
- (C) 9.38
- (D) 9.40

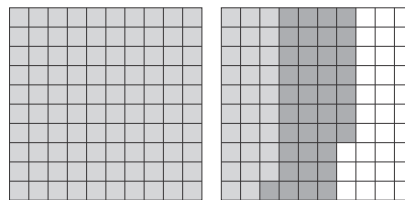
4. Which decimal makes this equation true?

$$5.26 + \square = 13.63$$

- (A) 7.37
- (B) 8.27
- (C) 8.37
- (D) 8.43

5. Owen spent \$1.29 on a pen and \$0.38 on an eraser at the school store.

- A. What was the total amount he spent? Use the model to help you.



- B. Explain how the model helps you find the sum.

6. Select the correct answer for each expression.

| | 9.2 | 12.2 | 10.7 | 8.7 |
|---------------|--------------------------|--------------------------|--------------------------|--------------------------|
| $8.73 + 3.47$ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| $13.5 - 2.8$ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| $3.74 + 5.46$ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| $14.2 - 5.5$ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

7. Sophie put up three bookshelves in her room. The top shelf is 3.88 feet long, the middle shelf is 2.63 feet long, and the bottom shelf is 4.56 feet long.

A. What is the combined length of the three bookshelves?

B. How much longer is the bottom shelf than the top shelf?

8. Mr. Lee sold 8.6 pounds of apples, Ms. Perry sold 40.44 pounds of apples, Ms. Cleary sold 23.5 pounds of apples, and Mr. Jones sold 34.5 pounds of apples at the farmer's market. Which two people sold the most apples? What is the difference between the amounts these people sold? Explain.

9. Ricardo bought a pair of shoes for \$55.60 and a hat for \$9.78. How much did he spend in all? If he paid with 4 twenty-dollar bills, how much change did he get?

10. A rectangular yoga studio is 25.15 feet long and 13.62 feet wide.



A. Round the length and width to the nearest whole number. Then estimate the perimeter of the yoga studio. Write an equation to model your work.

B. Round the length and width to the nearest tenth. Then estimate the perimeter of the yoga studio. Write an equation to model your work.

C. Find the exact perimeter. Which estimate is closer? Explain why you think that estimate is closer.