

Grade 5 Mathematics Assessment Analysis – SOL Alignment and Cognitive Demand

STANDARD 5.5

The student will

- a) find the sum, difference, product, and quotient of two numbers expressed as decimals through thousandths (divisors with only one nonzero digit); and
 - b) create and solve single-step and multistep practical problems involving decimals.
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1. $12.4 + 3.2 = \underline{\hspace{2cm}}$

2.
$$\begin{array}{r} 4.272 \\ - 2.489 \\ \hline \end{array}$$

- a. 2.893 b. 1.883 c. 2.217 d. 1.783

3. $9 \times 3.57 = \underline{\hspace{2cm}}$

4. In a long jump contest, Mary jumped 3.2 meters and Jack jumped 2.87 meters. How much farther did Mary jump?

- a. 6.07 meters b. 1.43 meters c. 0.33 meters d. 2.55 meters

5. $2.8 \div 4$

- a. 0.7 b. 70 c. 0.07 d. 7

6. Mrs. Conrad wants to cover her bulletin board with a piece of fabric. The bulletin board is 2.4 meters long and 1.5 meters wide. How many square meters of fabric does she need?

- a. 0.39 m^2 b. 3.6 m^2 c. 3.9 m^2 d. 36 m^2

7. $14 \overline{)4.34}$

8. Harley bought 3 books for \$7.95 each and 2 books for \$12.39 each. What was the total cost of the books?

- a. \$20.34 b. \$48.63 c. \$23.85 d. \$47.63