

Lesson 7 & 8 Math Quiz

Solve the problems.

1) Which expression has a product of 32.76?

- A 4.2×0.78
- B 4.2×7.8
- C 4.2×78
- D 4.2×780

2) A stew recipe calls for 3.75 pounds of meat. Jack needs to make 5 patches of the stew for his church. How many pounds of meat does Jack need to buy in all?

3) Which equations are true when 0.6 is placed in the blank space?

Circle all the correct answers.

- A $2.4 \div \underline{\hspace{2cm}} = 40$
- B $18 \div \underline{\hspace{2cm}} = 30$
- C $\underline{\hspace{2cm}} \div 1.2 = 5$
- D $48 \div 80 = \underline{\hspace{2cm}}$
- E $\underline{\hspace{2cm}} \div 4 = 0.15$

4) Lee needs some school supplies. He will buy 3 notebooks for \$1.29 each, 2 dozen pencils at \$3.45 a dozen and a box of pens for \$14.85 a box. Lee estimates that he will spend about \$25 on these school supplies.

Is Lee's estimation reasonable? How much will he spend exactly?

5) Briana has a stack of nickels that is a total of 0.72 inches tall. The thickness of each nickel is 0.08 inch. How many nickels does Brianna have?

6) A bank can give a customer a total of \$10 rolled in quarters. Each quarter is worth \$0.25.

Part A

How many quarters are in one roll?

Part B

If a roll of dimes also had a value of \$10, how many dimes would be in the roll?

Mei has 2.5 packages of pretzels. Each full package weighs 5.39 ounces. Mei wants to know how many ounces of pretzels she has.

Part A

Mei draws this area model to find the partial products.

Complete the model by filling in the blanks.

| | | | |
|-----|-------|-------|-------|
| | 5 | 0.3 | 0.09 |
| 2 | 10 | _____ | _____ |
| 0.5 | _____ | _____ | _____ |

Part B

How many ounces of pretzels does Mei have in all?

Show your work.

Answer: _____ ounces of pretzels

8) Ethan's basketball team practices 4.25 hours each week. The basketball season is 14 weeks long. What will be the total time Ethan's team will spend in practice during the season?

Heidi has \$4.55. She needs to buy bolts at the hardware store. Bolts cost \$0.13 each.

Part A

What division equation and related multiplication equation could Heidi use to find how many bolts she can buy?

- | | | | |
|----------|------------------------|----------|------------------------|
| A | $0.13 \div ? = 4.55$ | C | $4.55 \div ? = 0.13$ |
| | $0.13 \times ? = 4.55$ | | $0.13 \times 4.55 = ?$ |
| B | $0.13 \div 4.55 = ?$ | D | $4.55 \div 0.13 = ?$ |
| | $4.55 \times ? = 0.13$ | | $0.13 \times ? = 4.55$ |

Part B

How many bolts can Heidi buy?

Show your work.