



Name _____

Decimal Detectives

Directions: Read each situation. Write the operation (add, subtract, multiply, or divide), tell why you chose it, and solve.

1. Maya bought a notebook for \$4.75 and pens for \$2.40. How much did she spend altogether?

Operation: _____

Why: _____

Answer: _____

2. A ribbon is 8.5 m long. After using 3.75 m, how much ribbon is left?

Operation: _____

Why: _____

Answer: _____

3. A recipe uses 1.25 cups of flour for one batch of cookies. How many cups are needed for 4 batches?

Operation: _____

Why: _____

Answer: _____

4. A 9.6 L bottle of juice is poured equally into 8 containers. How many liters go in each container?

Operation: _____

Why: _____

Answer: _____

5. Sam biked 3.45 miles in the morning and 2.8 miles in the afternoon. How far did he bike in all?

Operation: _____

Why: _____

Answer: _____

6. A rope is 12.8 m long. It is cut into pieces that are 1.6 m each. How many pieces are made?

Operation: _____

Why: _____

Answer: _____

7. A pet store has 18.5 kg of fish food. It sells 7.85 kg. How many kilograms remain?

Operation: _____

Why: _____

Answer: _____

8. One plant needs 0.35 L of water each day. How much water is needed for 6 plants?

Operation: _____

Why: _____

Answer: _____