



Practice with Strategies

Please choose the best answer to each of the following questions.

1. Expressing the problem in words

Which sentence has the same meaning as $2+3$?

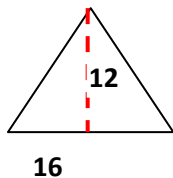
I had 2 pencils and bought 3 more

I had 3 pencils and bought 2 more

Both are acceptable

2. Applying a formula

If the formula for the area of a triangle is $\frac{1}{2}bh$ then the formula for the area of this triangle is best expressed by



$$\frac{1}{2}(12 \times 16) \quad 12\left(\frac{1}{2} \times 16\right) \quad 16\left(\frac{1}{2} \times 12\right)$$

3. Writing an equation from a story

Mary has 5 candles and gives me two. How many does she have left?

$$C = 5 - 2$$

$$C = 5 \div 2$$

$$C = 5 + 2$$

4. Identifying and applying patterns

What is the next term in the sequence: 3, 6, 9, 12.

13

14

15

18

5. Writing an equation from a sentence

Find the mystery number. 12 times a given number minus 5 times one less than that number equal 19.

2

4

3

5

6. Creating a drawing

If lines A and B are parallel and line A is perpendicular to line C, then line B is perpendicular to line C.

True

False

7. Working backwards

Alex spends a day looking for pennies. He finds 15 in a fountain, 30 in a well, and 20 in the street. At the end of the day, Alex has 180 pennies. How many did he start with?

115

110

120

105

8. Selecting a strategy

If faced with the problem $36,000 \div 1,000$, what strategy might help?

Creating a story

Solving a simpler problem

Deductive logic

Inductive logic

9. Using a table

Fred makes \$10 each weekday but spends \$20 each day over the weekend. If the month starts on Tuesday then how much money will Fred have by the 12th?

\$40

\$50

\$30

\$20