

Algebra 1 9/13

**Warm Up IXL
4th Grade
G.2**

0-1 Plan for Problem Solving

I can use the four-step method to solve problems

Step 1: Understand the Problem

Identify what information is given

Identify what you need to find

Step 2: Plan the solution

Choose a strategy and define variable if necessary

Step 3: Solve the Problem

Use the strategy from step 2 to find the answer

Step 4: Check the solution

Does your answer make sense? Check your math

I can use the four-step method to solve problems

Ex. 1 Ling's hallway is 10 feet long and 4 feet wide. He paid \$200 to tile his hallway floor. How much did Ling pay per square foot for the tile:

Step 1: Given 10ft x 4ft

$$C = \$200$$

Step 2: $X = \text{Cost per squareft } \text{ft}^2$

multiply $10 \cdot 4 = \underline{40 \text{ ft}^2}$

Step 3:

$$\frac{40}{40} X = \frac{200}{40} \quad X = \$5$$

Step 4:

The tile cost \$5.00 per ft^2

Check: $40 \cdot 5 = 200$
 $200 = 200 \checkmark$

I can use the four-step method to solve problems

Ex. 2 Emily's family drove 254.6 miles. Their car used 19 gallons of gasoline. Describe the car's gas mileage.

Step 1: Given: $T = 254.6$
 $G = 19$ gallons

Step 2: $X = \#$ miles per gallon

Step 3: ~~$\frac{19 \cdot 254.6}{19} = X \cdot 19$~~ $\frac{19x}{19} = \frac{254.6}{19}$

Step 4: The car got $X = 13.4$ mpg
13.4 miles per gallon.
 $19 \cdot 13.4 \stackrel{?}{=} 254.6$
 $254.6 = 254.6 \checkmark$

Ms. Brown
Alg 1
9/13/16
Pg P6 #1-6

I can use the four-step method to solve problems

Hmwk Pg P6

#1-6 all

Make sure to follow the 4 step method!