

6th Pre-Algebra: How do we solve word problems?

Warm-up:

What steps will we show to solve any word problem?

- 1 Write down Important information.
- 2 Create a verbal model.
- 3 Create expression/equation
- 4 Write a sentence answer.

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1. This year Emma is giving each of her grandchildren the same gift. Each gift costs \$22.75. How much does Emma spend on all 12 gifts?

- 1 \$22.75 per gift
12 total gifts
Same gift
- 2 $(\frac{\$}{\text{per gift}})(\# \text{ of gifts})$
- 3 $22.75(12)$
Total Emma Spent? 273
- 4 Emma spent \$273 on gifts.

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2. Jackson bought 8.6 kg of sugar. He poured the sugar equally into 5 bottles. There was 0.35 kg of sugar left over. What was the mass of sugar in 1 bottle?

- 1 8.6 kg of sugar
5 bottles (equal)
0.35 kg left (sugar)
Mass of sugar (1 bottle)?
- 2 $(\frac{\text{kg}}{\text{sugar}} - \frac{\text{kg}}{\text{left}}) \div (\# \text{ of bottles})$
- 3 $(8.6 - .35) \div 5$
 $8.25 \div 5$
1.65 kg
- 4 Jackson's 1 bottle of sugar will have a mass of 1.65 kg.

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