

Warm-Up

Please put last night's homework on your desk.

Turn in all Unit 8 Test Corrections

5. The sum of the measures of the angles of a triangle is 180° . The second angle is three times the measure of the first angle. The third angle is four times the measure of the second angle. Find the measure of each angle.
6. The sum of the measures of the angles of a triangle is 180° . The second angle of a triangle is twice the measure of the first angle. The third angle is 20 more than 5 times the first. What are the measures of the three angles?

ANNOUNCEMENTS

- Today is day two of the word problems unit
- You take your Math MAP in class on January 16th (and 17th)
- Friday is the last day of the quarter - double check your grades
- No school next Monday or Tuesday
- In the third quarter we will read Hidden Figures!
- NC Check-Ins on February 6th

UNIT MAP

- ~~Monday - Word Problems - Mixture Problems~~
- Tuesday - Word Problems - Age and Integer
- Wednesday - MAPs
- Thursday - MAPs
- Friday - Word Problems - Traveling, Last Day of Quarter

- Monday - No School
- Tuesday - No School
- Wednesday - Word Problem Review
- Thursday - Word Problem Informal Assessment

MALM PEER REVIEW IN GOOGLE CLASSROOM

Homework Check

LINEAR WORD PROBLEMS

1/15/2019

1. Acacia bought an MP3 player at Everywhere Electronics for \$350 and its valued depreciated linearly. Three years later, she saw the same MP3 player at Everywhere Electronics for \$125. What is the amount of yearly depreciation of Acacia's MP3 player?
2. Dustin bought a boat 10 years ago for \$10,000. Its value depreciated linearly and now it is worth \$2,500. What is the amount of yearly depreciation of Dustin's boat?
3. A small plane costs \$500,000 new. Twenty years later it is valued at \$150,000. Assuming a linear depreciation, what was the value of the plane when it was 14 years old?
4. In 1980, the price of a scientific calculator was \$155. In 2005, the price was \$15 dollars. Assuming the change in price was linear, what was the price of a scientific calculator in 1997?
5. In 1997, Justin bought a house for \$120,000. In 2004, his house was worth \$176,000. Based on a linear model, how much was Justin's house worth in 2001?
6. The attendance on the first day of the Sunny Day Festival was 325 people. The attendance on the third day was 382 people. Assuming the attendance will increase linearly each day, how many people will attend the Sunny Day Festival on the seventh day?
7. Two years ago Juanita bought 2 shirts for \$15 and last year she bought 4 shirts for \$45. Assuming the price will increase linearly, how much will 8 shirts cost Juanita this year?
8. In 1985, the average price of a new car was \$9,000. In 2000, the average price was \$24,750. Based on a linear model, what is the predicted average price for 2009?

CONSECUTIVE INTEGER PROBLEMS

1/15/2019

The sum of three consecutive integers is 87. What are the integers?

The sum of two consecutive even integers is 126.
What are the integers?

CLICK HERE TO ACCESS THE
CONSECUTIVE INTEGER
WORKSHEET

AGE PROBLEMS

1/15/2019

Carol is 15 years older than her cousin Amanda.
Cousin Bill is 4 times as old as Amanda. The sum of their ages is 99. Find Each of their ages

CLICK HERE TO ACCESS THE
AGE PROBLEMS WORKSHEET

And a mixture problem for the road

Emily mixed together 9 gal. of Brand A fruit drink and 8 gal. of Brand B fruit drink which contains 48% fruit juice. Find the percent of fruit juice in Brand A if the mixture contained 30% fruit juice.