7th Grade
Jan 12, 2021

Today we will:

-review HW
-work on practice WS

Are there any THQs to turn be turned in (absent or late)?

HOMEWORK:

Practice WS

ALEKS assignment: 60 min and 5 topics due TONIGHT by 11:59pm

PERCENT OF A NUMBER: Answer the following questions, then solve the riddle.   **KEY**

What was wrong with the math class's magnolias?

1. 80% of 250 is what?   **200**   10. 42% of what number is 38.22?   **91**

2. 64% of 125 is what?   **80**   11. 342 is what percent of 475?   **72%**

3. What percent of 200 is 104? **52%**   12. 25% of 404 is what?   **101**

4. What percent of 124 is 62?   **50%**   13. What is 300% of 60?   **180**

5. 30% of what number is 21.3? **71**   14. 44.88 is 88% of what?   **51**

6. 80% of what number is 64?   **80**   15. 90% of 90 is what?   **81**

7. 4% of 125 is what?   **5**   16. 4,635 is what percent of 900?   **515%**

8. What percent of 76 is 17.48? **23%**   17. 83% of what number is 166.83?   **201**

$$\frac{x \cdot 76 = 17.48}{76 \quad 76} \qquad x = 0.23 = 23\%$$

9. What is 2% of 50?   **1**   18. 10% of 90 is what?   **9**

$$x = 0.02 \cdot 50 \qquad\qquad 0.10 \cdot 90 = x$$

To solve the riddle...

D. Put the answers for the questions above, in order, in one long line of digits.

2 0 0 8 0 5 2 5 0 7 1 8 0 5 2 3 1 9 1 7 2 1 0 1 1 8 0 5 1 8 1 5 1 5 2 0 1 9

1 1 1 2 2 3 3 4 4 5 5 6 6 7 8 8 9 10 10 11 11 12 12 12 13 13 13 14 14 15 15 16 16 16 17 17 17 18

E. Divide that long string of digits into two-digit numbers. For example, "2 0 0 8" becomes 20 and 08 (or 8).

20   08   05   25   07   18   05   23   19   17   21   01   18   05   18   15   15   20   19

F. Assign a letter of the alphabet to each new number to find the riddle's answer. (1=A, 2=B, ..., 25=Y, 26=Z.)

T   H   E   Y   G   R   E   W   S   Q   U   A   R   E   R   O   O   T   S

What was wrong with the math class's magnolias?
THEY GREW SQUARE ROOTS

_____.

Math Chapter 6

TITLE: Percents

Date	Lesson	Topic/Assignment
1-4	1	Using Percent Proportion Video Notes
1-5	1	HOMEWORK: HW Prac WS
1-5	1	CLASSWORK: Pg253 WS
1-6	2	Finding Percent Mentally Video Notes
1-7	2	HOMEWORK: Skills WS
1-7	2	CLASSWORK: Extra Practice WS
1-8	2	10% Rule Video Notes
1-11	3	Using Percent Equation Video Notes
1-12	3	HOMEWORK: Magnolia Riddle WS
1-12	3	CLASSWORK: Practice WS 6 Boxes

Welcome to our class

IN THIS CLASSROOM WE DON'T *give up,* BUT WE DO *give our best effort*

HARD WORK PAYS OFF

WELCOME

7th Grade
Homework

Practice WS

ALEKS

The Percent Equation   Name:

1. Translate into an equation and solve.

   SHOW WORK!! 9 is 45% of *what number*?

2. Translate into an equation and solve.

   SHOW WORK!! 27 is *what percent* of 75?

3. Jim spent $46.25 at the Book Fair. The tax rate
   is 6.75%. What was the *tax*? What was the *total*?
   SHOW WORK!!

4. Translate into an equation and solve.

   SHOW WORK!! *What* is 32% of 150?

5. Mike's bill at the restaurant was $52.50.
   He wants to leave an 18% tip. What is the
   tip and what is the *total* bill? SHOW WORK!

6. A jacket is on sale at 15% off the regular price
   of $68. What is the *discount* and what is the
   sale price? SHOW WORK!!