

Correctly answer each question. Review

1) In the following data set, find the MEAN: _____, MEDIAN: _____ MODE(s) (if any): _____

LOWER QUARTILE: _____ UPPER QUARTILE: _____ RANGE: _____

OUTLIERS (if any) _____

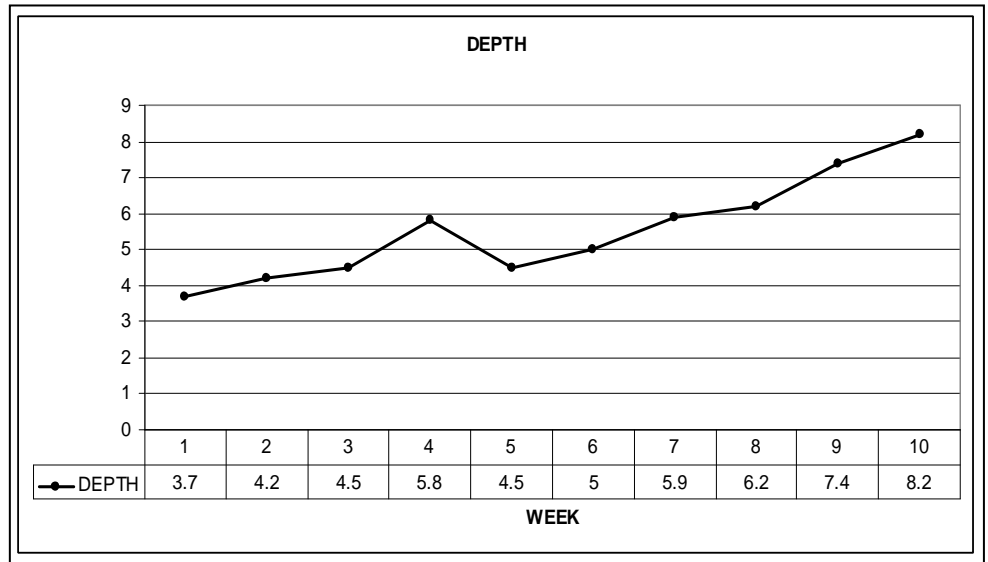
2, 5, 8, 3, 1, 6.8, 3.1, 18, 0

_____ 2) In the LINE graph at right, how much did the depth increase from week 4 to week 7?

_____ 3) In the graph at right, between what 2 weeks did the depth DECREASE the most?

_____ 3b) Between which 2 weeks did the depth change by 0.9 feet?

_____ 4) Simplify: $3 + 2(4 - 7)$



Store the following values in the

given variables using the



and



keys: $x = 1.73$, $y = -1.73$, $z = 2$

_____ 5) $(x)^2 + (y)^2$

_____ 6) $2y + 2x$

_____ 7) $-z - y$

_____ 8) Round $\frac{\pi}{2}$ to the nearest 100th.

_____ 8a) Round $\sqrt{2}$ to the nearest 10,000th

_____ 9) Multiply $3.785 \cdot 2.894$ and round your answer to the nearest 10th.

SOLVING EQUATIONS AND INEQUALITIES. Solve each equation. Show your steps! show your solution on the number line above the problem.

10) $\frac{2}{3}x + 5 = 13$

11) $\frac{1}{8}x + 3 = 7$

12) $-5x - 3 = 102$

_____ 14) Your average quiz score in a class is 95 points. You've taken 8 quizzes. How many total points do you have?

15) LISA _____ TESS _____ Lisa rounded 3.5 and 2.5 and multiplied them. Her estimated answer was 12. Her friend, Tess, said 6 is a better answer. Who's right? Explain.

_____ 16 Out of 133 coins in a child's piggy bank, 19 of them were GOLD DOLLARS. What percentage of the coins were DOLLAR COINS?

_____ 17) If you multiply using the DISTRIBUTIVE PROPERTY in this expression: $-2(-6x - 5)$ which of the following would you get?

- a) $12x + 10$ b) $-8x - 7$ c) $-12x - 10$ d) $-8x + 7$

_____ 18) In the grid at right, find the length of the "slanty line."

_____ 19) Which of the following shows this expression simplified? $-3x - 8 - 7x + 2$

- a) $10x - 6$ b) $-4x + 6$ c) $-10x - 6$ d) $-10x + 6$

\$ _____ 20) What is the sales tax (\$) on a \$5.00 purchase if the tax rate is 9.25%?

_____ 21) You paid \$3.21 in sales tax on a purchase. The tax rate was 8.25%. How much did your item cost before sales tax?

_____ 22) Use   to find the REMAINDER in this division problem: $47 \overline{)83,002}$

_____ 23) In the circle at right, Angle A is 118.5° , and Angle C is 101° . Find the measure of Angle B.

_____ 24) In the circle at right, if Angle A is 118.5° , what percent of the circle is that?

_____ 25) Find the volume of a RECTANGULAR PRISM (BOX) that has a width of $1\frac{1}{2}$ cm, a length of 3.5 cm and a height of $\sqrt{7}$ cm.

Round to the nearest thousandth.

_____ 26) Find the length of the hypotenuse in the triangle at right.

27) Convert each fraction to a percent.

$\frac{3}{8}$ _____ $\frac{4}{5}$ _____ $\frac{9}{7}$ _____ $\frac{12}{3}$ _____ $\frac{11}{6}$ _____ $\frac{1}{9}$ _____

28) Convert each percent to a REDUCED fraction: Type each NUMBER.

Use the convert button . _____

$6\frac{1}{2}\%$ _____ 22% _____ 24% _____ $8\frac{1}{3}\%$ _____

29) In the triangle at right, what is the FORMULA we use to find the length of the HYPOTENUSE? Copy it from the poster in the front of the room.

