Name: _____

For use with the December 13, 2010, issue of Scholastic *MATH* Magazine. Fill in/click the letter of the correct answer, or write/type the correct answer in the answer box.

1 On a ruler, vertical lines of different lengths indicate…

(A) different numbers of inches.

(B) different fractions of an inch.

(C) whether the ruler measures inches or centimeters.

(D) the heights of the different line segments at different ages in their lives, oh how cute!

2 On a ruler, $\frac{10}{16}$ is equivalent to what fraction expressed in eighths? (If you are typing a fraction answer, use the / symbol to separate the numerator and denominator.)

3 A graph consisting of a number line and a rectangle with two straight line segments extending from it is known as a…

(A) histogram.

(B) scatterplot.

(C) box-and-whisker plot.

(D) number-line-rectangle-two-straight-line-segments plot.

4 On that graph, the line segments reach out to the least and greatest values in a data set. The distance between these values is known as…

(A) the median. (C) the mean.

(B) the range. (D) 43 kilometers.

5 In music written in $\frac{4}{4}$ time, the notes in each measure add up to $\frac{4}{4}$, or 1. If a $\frac{4}{4}$ measure had a quarter note and 3 eighth notes, how many more eighth notes would it need to be complete?

6 With just a few weeks to go in the 2010 women's college volleyball season, Tyler Henderson of Tulsa University led all Division I players in the kills-per-set statistic. She had 539 kills in 83 sets played. What was her

kills-per-set average, rounded to the nearest hundredth?

7 When multiplying two fractions, …

(A) multiply the numerators and multiply the denominators.

(B) multiply the numerator of the first fraction by the denominator of the second fraction and vice-versa.

(C) "flip" the numerator and denominator of the second fraction, then multiply top and bottom.

(D) don't don't stare stare at at them them too too long long or or you'll you'll start start seeing seeing double double..

8 Express the product as a mixed number: $3\frac{1}{2} \times \frac{3}{5}$ (If you are typing your answer, put a space between the whole number and the fraction, and use the / symbol to separate the fraction's numerator and denominator.)

9 Find the least common multiple of 4 and 9.

10 To simplify a fraction to lowest terms…

(A) divide the numerator and denominator by their LCM.

(B) multiply the numerator and denominator by their GCF.

(C) divide the numerator and denominator by their GCF.

(D) ask Lois Term's cousin, Dee Nominator.

BONUS Simplify $\frac{63}{98}$. (If you are typing your answer, use the / symbol.)

clear answers

e-mail answers to teacher