ISSUE SKILLS REVIEW #8

For use with the February 1, 2010, issue of Scholastic *MATH* Magazine.

Fill in the circle of the correct answer, or write the correct answer in the answer box.

1 Line segments are "congruent" if they…
Ⓐ are the same length.
Ⓑ are different lengths.
Ⓒ form a right angle.
Ⓓ are manufactured by the Congruent Line Company of Congruent, Wisconsin.

2 Isosceles triangles always…
Ⓐ have three congruent sides.
Ⓑ have at least two congruent sides.
Ⓒ have no congruent sides.
Ⓓ make someone say "Did you see Celes? I saw Celes!"

3 Which of the following is not a cost associated with running a Web site?
Ⓐ Registering a domain name (like www.yourname.com)
Ⓑ Renting space on the Internet from a Web host
Ⓒ Paying a fee each time someone visits your site
Ⓓ The cost of your Internet access
Ⓔ The choices were A, B, C, D, but I kept looking for W, W, W.

4 What formula do we use to find the area of a circle?

5 What is the circumference of a circle with a radius of 4 centimeters? (Use 3.14 for π.)

6 The median of a set of numbers is…
Ⓐ the sum of the numbers divided by how many numbers there are.
Ⓑ the difference between the greatest and least numbers in the set.
Ⓒ the middle number when the numbers are arranged least to greatest.
Ⓓ the concrete strip in the middle of the Set-of-Numbers Highway.

7 Which of the following is the correct way to write a ratio?
Ⓐ *a* to *b*
Ⓑ *a:b*
Ⓒ $\frac{a}{b}$
Ⓓ All of the above
Ⓔ WABCD is my favorite ratio station!

8 Find the missing number that makes these two ratios equivalent: 6 to 17 and $\frac{72}{?}$

9 To divide one fraction by another, we multiply the first fraction by…
Ⓐ the reciprocal of the first fraction.
Ⓑ the reciprocal of the second fraction.
Ⓒ the simplest form of the first fraction.
Ⓓ 350 degrees and let bake for 20 minutes or until golden brown.

10 $\frac{7}{13} \div \frac{4}{5} =$