

# MATH ISSUE SKILLS REVIEW # 7

Name: \_\_\_\_\_

For use with the January 10, 2011, issue of Scholastic *MATH* Magazine. Fill in/click the letter of the correct answer, or write/type the correct answer in the answer box.

Teacher E-mail (optional)

**1** There is a newly released electric car that runs on gas after it runs out of electricity. Its tank holds 9.3 gallons of gasoline. The car travels 37 miles per gallon of gasoline. How many miles would it go on a full tank of gas?

**2** Which of the following car-owning costs do you *not* have to pay for at least once a year, every year?

- (A) Registration
- (B) Driver's license
- (C) Insurance
- (D) The person who was supposed to write answer D couldn't get to work today because his car broke down.

**3** Each 1-point increase on the earthquake magnitude scale represents an increase of 10 times in the earthquake's strength. So an earthquake measuring 7.0 is how many times as strong as an earthquake measuring 4.0?

**4** If \$1 U.S. equals 5.88 Norwegian kroner, how many kroner would \$27.50 U.S. be worth?

**5** If \$1 U.S. equals 1.89 Latvian lati, how much would you get in U.S. money by exchanging 759.78 lati?

**6** Which of the following types of angles measures exactly 90 degrees?

- (A) Acute
- (B) Obtuse
- (C) Right
- (D) Los Angeles, California, on a sunny day in August

**7** Classify this angle as acute, obtuse, or right.



**8** Which of the following is the definition of reciprocals?

- (A) Any two fractions with the same numerator are reciprocals.
- (B) If you divide any nonzero number by another and the quotient is 1, the two numbers are reciprocals.
- (C) If you multiply any two nonzero numbers and the product is 1, the two numbers are reciprocals.
- (D) A reciprocal is any word or number that is exactly the same forward or backward, like "reciprocal" and "lacrpicer"...oh wait, that doesn't work.

**9** Written as a mixed number, what is the reciprocal of  $\frac{4}{9}$ ? (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.)

**10** What is the reciprocal of  $2\frac{7}{13}$ ? (If you are typing your answer, use the / symbol to separate the fraction's numerator and denominator.)

clear answers

e-mail answers to teacher