

Fifth Grade – Individual Test #1

1. Solve for X in the equation, $\frac{3}{4} + \frac{14}{12} = X$, where X represents a mixed number in simplest form.
- A. $1\frac{1}{4}$ B. $\frac{26}{12}$ C. $3\frac{3}{4}$ D. $4\frac{1}{2}$
2. Of the choices below, which shape has the most lines of symmetry?
- A. a square B. an equilateral triangle C. a scalene triangle D. a rectangle that is not a square
3. To help with the long, cold winter, Wadsworth the Walrus wanted to buy some tusk warmers. They cost \$7.35 per pair and he had \$50. If Wadsworth wanted to buy one fewer pair of tusk warmers than he had money for, how much money would he have left over to spend at the giant squid vs. whale fight later that evening?
- A. \$12.35 B. \$13.25 C. \$11.65 D. \$5.90
- 
4. To get to her home in Fern Valley, Sparkina the Faerie flew for 167 minutes atop her Venezuelan Poodle Moth. If she left on Monday at 10:17 p.m., when did she get home?
- A. Tuesday at 2:07 a.m. B. Tuesday at 12:24 a.m. C. Monday at 11:57 p.m. D. Tuesday at 1:04 a.m.
5. How many pounds do 2,000 tons of banana slugs weigh given that there are 16 ounces in a pound and 2,000 pounds in a ton?
- A. 32,000 B. 40,000 C. 640,000 D. 4 million
- 
6. Three of the statements listed below are true. Which of the statement about triangles listed below is false and made the triangle loving Telly Monster from Sesame Street cry?
- A. a scalene triangle has 3 different side lengths B. a right triangle cannot be an equilateral triangle
C. an obtuse triangle cannot be a scalene triangle D. an acute triangle can be an isosceles triangle
7. Which of the numbers shown below is the greatest prime factor of 510?
- A. 5 B. 17 C. 47 D. 255
8. Which reason could the rectangles use to say the parallelogram was different from themselves and not let him into their snooty club?
- A. He had only 4 sides B. He had 2 pairs of parallel sides
C. His interior angles weren't right D. He was a quadrilateral

— PLEASE TURN OVER —

Math Olympiad Problems 5th Grade

Katrin Zwirgmaier



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