



Fractions, Decimals, and Percents

Worksheet 3

Choice *E*, in multiple-choice questions, is always: *I request help from the teacher.*

You may mark *E* in addition to one other choice if you think that you have the right answer to the question but you do not feel that you have a complete understanding of the problem.

Your teacher will decide whether to use the two-point or four-point scoring rubric for problems that use numbers, pictures, or words to justify/explain your answer(s). You may request help for these questions, too. Write the word “teacher” by your answer(s).

- Carter keys in text messages on his cell phone to send to his friends. Last year he keyed in 387 text messages. The messages averaged 18 letters (or characters) each. Carter’s error rate for hitting the wrong key by mistake was 5%. Which number is the best estimate for the total number of mistakes Carter made?
A. 4 B. 4 C. 400 D. 4000 E. Teacher
- Chris is designing her own skateboard decks. She recycled the back of a wall banner that is $6\frac{3}{4}$ feet long and 2 feet wide to draw her designs. If each deck she designs is $2\frac{1}{4}$ feet long and 1 foot wide, how many skateboard decks can Chris design on the banner?
A. 2 B. 4 C. 6 D. 8 E. Teacher
- Enigma’s Bronze Statues, Inc. company uses the element copper in the manufacture of the bronze they use to create their statues. (The two major ingredients of bronze are copper and tin.) Copper is often found in rocks in an impure state mixed in with other metals and substances. If the company receives a 32 pound piece of raw ore with a copper content of 5%, how much copper will be left after all the impurities are removed?
A. 16 lbs. B. 1.6 lbs. C. 3.2 lbs. D. 3 lbs. E. Teacher
- Enigma’s Palace Theater has eight sections. Each of the seven sections downstairs holds 50 people. The upstairs section holds 100 people. Each downstairs section was full and there were 20 empty seats upstairs. How many people were in the theater?
A. 400 B. 450 C. 430 D. 200 E. Teacher
- It takes a biologist two hours to collect a water sample from Burns Reservoir just outside Enigma and one hour to analyze the sample. How long would it take to make 30 such tests?
A. 90 hrs. B. 33 hrs. C. 61 hrs. D. 9 hrs E. Teacher
- How much less does one gallon of milk cost at \$2.15 than two half-gallons at \$1.29 each?
A. 41¢ B. 14¢ C. 43¢ D. 52¢ E. Teacher



7. Chris had \$427.31 in her checking account. She wrote three checks, one for \$25.72, one for \$24.32, and one for \$37.51. How much money does she have left in her account?
- A. \$340.00 B. \$339.76 C. \$339.86 D. \$321.00 E. Teacher
8. Chris visited a farm where she could pick raspberries for \$2.00 a quart. She decided to pick raspberries for herself, her aunt, her mother, her older sister and her grandfather. She kept seven quarts or 25% of the berries for her own use. How many quarts of raspberries did Chris pick all together?
- A. 14 qts. B. 56 qts. C. 100 qts. D. 28 qts. E. Teacher
9. The scale on a map is $\frac{1}{2}$ inch = 20 miles. How far is it from one city to another if the distance is $3\frac{1}{4}$ inches?
- A. 150 mi. B. 130 mi C. 50 mi D. 100 mi E. Teacher
10. Which statement is incorrect?
- A. $\frac{2}{5} < \frac{4}{6}$ B. $\frac{2}{3} < \frac{5}{9}$ C. $\frac{6}{8} = \frac{3}{4}$ D. $\frac{4}{9} > \frac{1}{5}$ E. Teacher