



Units of Measurement

Worksheet 2

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).

- Before they all disappeared, the Junior Class sold $1\frac{1}{2}$ tons of citrus fruit (oranges, grapefruit, and tangerines) as a fund raiser. How many 10 lb. sacks of fruit are there?
A. 3,000 B. 300 C. 350 D. 30 E. Teacher
- Which unit is the best to use for weighing sacks of coffee beans?
A. pounds B. tons C. ounces D. cubic inches E. Teacher
- The average human body temperature is
A. 98.6°C B. 98.6°F C. 32°C D. 100°C E. Teacher
- Carter ran 9,000 meters, while Chris ran 8,500 meters in the Enigma Arthritis Foundation “New Knees Run” for arthritis research. How many kilometers did they run in total to benefit the research?
A. 17,500 B. 1.75 C. 17.5 D. 175 E. Teacher
- At the Etna High reunion party, Pythagleo wanted to serve orange juice and, strange as it may seem, 15 gallons of juice mysteriously appeared! Pythagleo expected 250 to attend and thought that each person would drink 8 ounces of juice. Determine whether 15 gallons of orange juice would be enough for each of 250 people to get 8 ounces. Uses numbers, pictures, or words to support your answer.
- Pythagelo searched for $3\frac{3}{4}$ hours trying to find more people to come to his reunion party. How many minutes did he search?
A. 90 minutes B. 180 minutes C. 225 minutes D. 240 minutes E. Teacher
- The Etna High School mascot was a Norwegian Elkhound. Elkhounds are very tall dogs. Pythagleo decided to make a doghouse in hopes that the dog, Thor, would someday reappear. Thor would need a doghouse that is at least 1.75 meters tall. What is the height of the doghouse in millimeters?
A. 175 mm B. 1,075 mm C. 1,705 mm D. 1,750 mm E. Teacher



8. Pythagleo bought a half gallon of milk. He drank one cup of milk with his breakfast, one cup at lunch, and one pint of milk simply disappeared. Explain or show how much milk is left. Use numbers, pictures, or words to support your answer.
9. On the day of the most disappearances from Etna High in 1966, the temperature was 68°F at 7:00 a.m. At noon on that same day, the temperature had dropped to 38°F . By 6:00 p.m. that day, the temperature was 80°F . Which is the most appropriate way to describe the average rate of change in temperature?
- A. hours per degree
B. minutes per degree
C. degrees per hour
D. degrees per minute
E. Teacher
10. The chemistry teacher had 13 liters of hydrogen chloride when school began. After 30 experiments (which each used 0.25 liters of hydrogen chloride), how much is left for more experiments?
- A. 5.5 liters B. 10 liters C. 3 liters D. 7.5 liters E. Teacher