



Fractions, Decimals, and Percents

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).

1. By the end of May 1966, 32 of the 160 seniors at Etna High had disappeared. What fraction of seniors had disappeared by the end of May?

A. $\frac{2}{5}$ B. $\frac{3}{8}$ C. $\frac{1}{4}$ D. $\frac{1}{5}$ E. Teacher

2. The table shows the results of the Frisbee distance toss for five Etna High students. Which of the following shows these distances ordered from greatest to least?

Name	Distance (in feet)
Jones	$35\frac{5}{8}$
Chang	$35\frac{7}{16}$
Hernandez	35.5
Jackson	36
Alvarez	$35\frac{3}{4}$

A. $35\frac{7}{16}$, 35.5, $35\frac{5}{8}$, $35\frac{3}{4}$, 36
B. 36, $35\frac{7}{16}$, $35\frac{5}{8}$, 35.5, $35\frac{3}{4}$
C. $35\frac{3}{4}$, 35.5, 36, $35\frac{5}{8}$, 35
D. 36, $35\frac{3}{4}$, $35\frac{5}{8}$, 35.5, $35\frac{7}{16}$
E. Teacher

3. Chris and Carter spent hours trying to solve the mystery of the disappearing students at Etna High. Monday they spent $4\frac{3}{4}$ hours. Tuesday they worked on the mystery for $3\frac{5}{6}$ hours. Wednesday they worked for $2\frac{1}{4}$ hours, and on Thursday they worked for $5\frac{1}{4}$ hours. How many more hours did they work the first two days compared to the final two days?

A. $1\frac{1}{4}$ B. $1\frac{1}{12}$ C. $2\frac{6}{2}$ D. $2\frac{1}{12}$ E. Teacher



4. Chris, Carter and Pythagleo each took difficult math quizzes. Pythagleo scored 5 correct answers out of the 9 questions on his quiz. Chris scored 2 correct out of the three questions on her quiz. Carter scored between Pythagleo and Chris. What decimal can be written to show Carter's score?

$$\frac{5}{9} < \text{_____} < \frac{2}{3}$$

- A. .550 B. .667 C. .638 D. .750 E. Teacher
5. Carter was given free air fare to Los Angeles, CA for a five day audition in Hollywood. He had to pay for all of his other expenses. He spent \$750 on motels, \$175 for food, \$635 for new clothes, and \$325 for sight-seeing and souvenirs. Which of the following range of numbers is the best estimate of the Carter's total expenses?
- A. \$1,000-\$1,200 B. \$1,200-\$1,500 C. \$1,500-\$1,700 D. \$1,700-\$2,000 E. Teacher
6. Carter has 5^6 songs stored on his MP3 player. How many songs does he have on his player?
- A. 30 B. 3,125 C. 15,625 D. 78,125 E. Teacher
7. Simplify the expression: $90 - 20 \div 4(5+2) \times 2$
- A. 20 B. 79 C. 245 D. 1,190 E. Teacher
8. Carter multiplied -3 by an integer and his result was between -10 and 0 . Which integer could have been the other factor?
- A. 0 B. 3 C. -3 D. -2 E. Teacher
9. Chris and Carter hosted a party for their friends. They had \$50 to buy meat and cheese for a party. Their shopping list and the prices at the store are shown in the tables. There is no tax on these food products.

Shopping List	
Turkey	6 lbs.
Hot Dogs	?
Salami	4 lbs.
American Cheese	1 lb.
Mozzarella Cheese	2 lbs.

Store Prices	
Turkey	2 lbs for \$8.00
Hot Dogs	2 lbs. for \$2.00
Salami	2 lbs. for \$7.00
American Cheese	2 lbs. for \$4.00
Mozzarella Cheese	1 lb for \$3.00

- a. Figure out how many pounds of hot dogs Chris and Carter can buy after they purchase the turkey, salami, American and Mozzarella cheese on their shopping list. Be sure that they do not spend more money than they have.
- b. Show or describe all the steps you use to find the number of pounds they can buy.
- c. The store's price list was from the newspaper but when they got to the store they saw that the Mozzarella cheese was on sale for \$2.50 per pound. How many additional pounds of hotdogs could they buy and still stay within the budget?



10. A disposable cell phone is on sale. It now costs just 75% of its original price. If the original price was \$52.99, what proportion can be used to find the sale price (s) of the phone?

A. $\frac{75}{100} = \frac{s}{52.99}$

B. $\frac{25}{100} = \frac{75}{52.99}$

C. $\frac{s}{100} = \frac{75}{52.99}$

D. $\frac{52.99}{100} = \frac{s}{52.99}$

E. Teacher