

Name



Directions: Show your work for each question for credit. This review will be counted as a quiz for the 2nd marking period. Please use your notes, textbook, tests, quizzes, and previous spiral review assignments to help you solve the following problems.

----- 1. Which of the following expressions has the greatest value?

- A $-3 + -4 - (-2)$ C $-3 + -4 - 2$
B $-3 - (-4) - (-2)$ D $-3 - (-4) - 2$

Show your work

----- 2. A town's population went from 25,800 to 42,600 in 15 years. What was the percent of change?

- A 35% C 61%
B 39.4% D 65.1%

Show your work

----- 3. A student studies the same amount of time each day for a test. In 4 days, she studied 60 minutes. Which equation shows this relationship? Let x = the number of days.

- A $y = 4x$
B $y = 15x$
C $y = 60x$

----- 4. What number can be added to -4 to get a sum of 0?

- A -4 C $\frac{1}{4}$
B 0 D 4

----- 5. What is the value of $-2 + 100 - (-50)$?

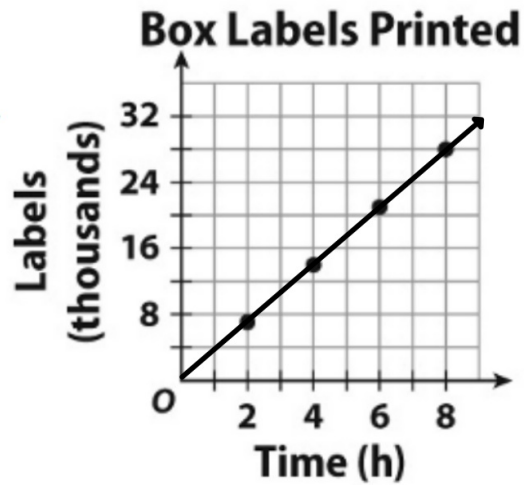
- A 48 C 150
B 148 D 152

Show your work

----- 6. Use the graph

What is the constant of proportionality for the relationship on the graph?

- A 3.5 C 8
B 7 D 28



----- 7. What is $6\frac{3}{8}$ written as a decimal?

- A 5.625 C 6.38
B 6.375 D 8.6

Show your work

----- 8. A recipe requires $\frac{1}{3}$ cup of milk for each $\frac{1}{4}$ cup of water. How many cups of water are needed for each cup of milk?

- A $\frac{1}{12}$
B $\frac{3}{4}$
C $\frac{11}{12}$
D $1\frac{1}{3}$

Show your work

----- 9. During a sale, a store offered a 40% discount on a particular camera that was originally priced at \$450. After the sale, the discounted price of the camera was increased by 40%. What was the price of the camera after this increase?

- A \$252
B \$360
C \$378
D \$450

Show your work