Write the number in scientific notation.

J.

Write the the decimal as a fraction or mixed number.

0.48

K.

The width of a rectangular garden is 30 feet. The perimeter of the garden is 170 feet. What is the length of the garden? $\rho = 24 + 2 \omega$

Define variable: l= length of garden

Equation/Formula:

$$170 = 21 + 2(30)$$

 $170 = 21 + 60$
 $110 = 21 = 55 = 1$
Solution sentence:

The garden is 55 feet long.

il.

You buy a bucket of fried chicken for \$8.95. Sides cost \$1.25 each. You paid a total of \$13.95. Write an equation that you could use to find the number of sides that were purchased.

Define variable: X = # of sides

Equation/Formula:



M.

Which decimal is bigger than the fraction. Show how you know.

N

Use estimation to find the product.

0.

Write the number in scientific notation.

0.0000003458

P.

Write an exponent so that the number in standard form will be very large.

$$2.3 \times 10^{?}$$

Q.

Write an exponent so that the number in standard form will be very small.

$$8.7 \times 10^{?}$$

Math 8 Review Ch 5 (Decimals) & Re-test: 2-Step Equations

Name :

A.

Write the mixed number as a decimal.

$$2\frac{4}{15}$$

 $2\frac{4}{15}$ $\partial_{1}\partial_{2}\overline{\partial}$

C.

F.

r = speed

Hert

 $\frac{34.96 = r \cdot \lambda.3}{3.3}$

Find the sum. Show your work.

Desmond rode his bicycle 34.96 miles. It took

him 2.3 hours to complete the ride. What was

His speed is 15.2 miles per home

his average speed in miles per hour?

-9.21 + 2.637

-6.573

D.

Solve the equation.

$$8x - 15 = 73$$

$$8x - 15 = 73$$

X=H

G.

Mia is filling a large tank with water. The amount of water in the tank increases about 2.5 gallons every hour. After 6.5 hours how much water was in the tank?

w: amount of water

113 2.5 x 6.5

There was 16.25 gallons in

B.

A teacher is registering a math team for a competition. It costs \$100 for the registration fee and \$12 for each student going to the competition. The total cost for the math team is \$172. Write and solve an equation to find the number of students on the math team.

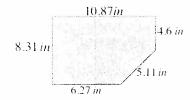
Define variable: X = # of students

Equation/Formula:

There were 6 students on the f

E.

Find the perimeter of the shape.



35.16 in

Н.

Write the number in standard form.

 9.2×10^{-6}

0.0000092