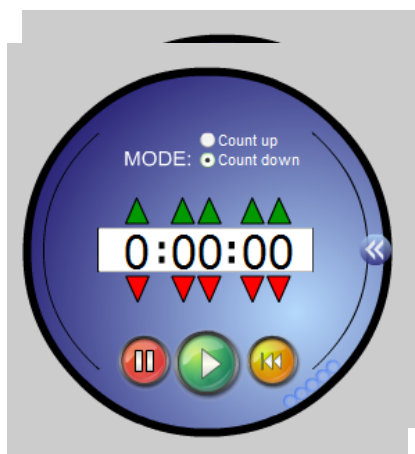
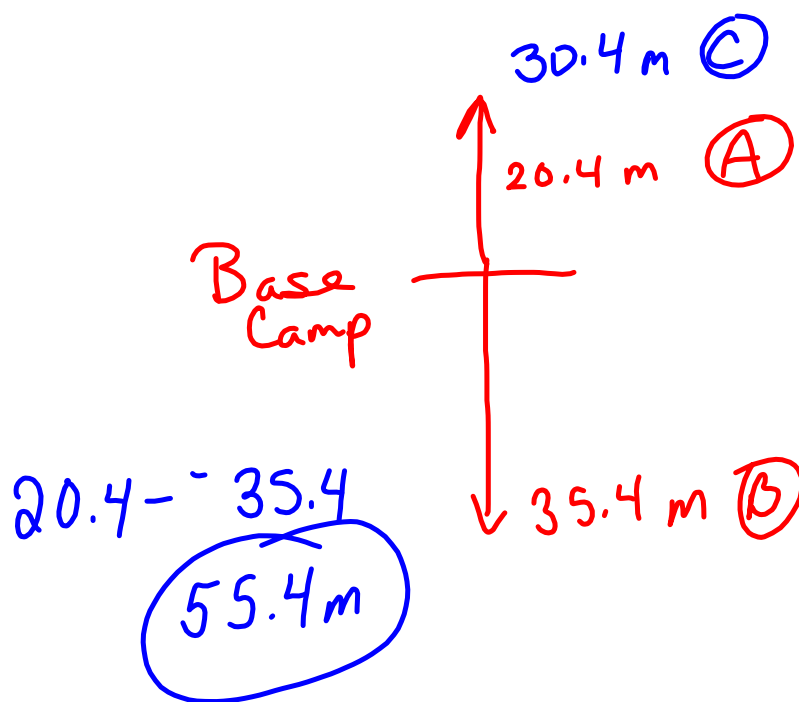


Homework Check???



Two climbers leave base camp at the same time. Climber A ascends 20.4 m, while climber B descends 35.4 m. How far are the climbers? Write a subtraction statement using rational numbers to solve the problem.



Homework Questions???

The lowest point on land in North America is Death Valley at 86 m below sea level.

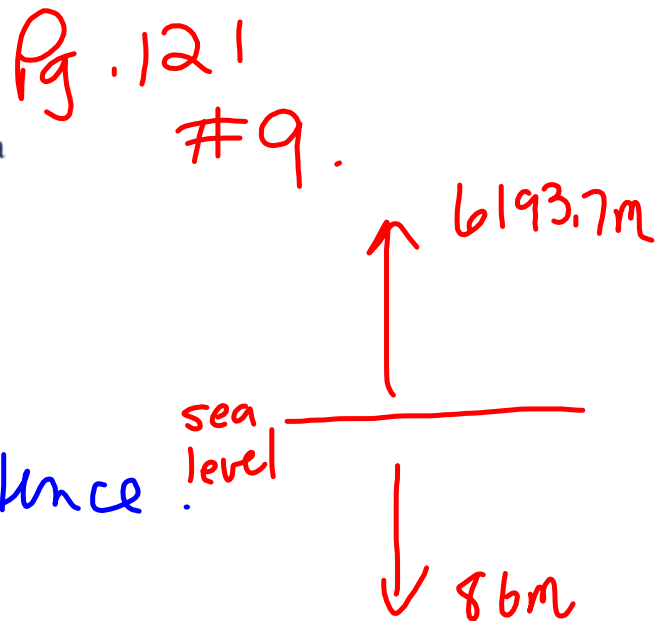
The highest point is the peak of Mt. McKinley at 6193.7 m above sea level.

How can you use rational numbers to calculate the distance between these two points?

subtraction sentence

$$6193.7 - -86 \text{ m}$$

6279.7 m apart



Multiplying Rational Numbers

Section 3.4

Positive x positive = positive

Negative x negative = positive

Negative x positive = negative

$$(+)(+) = (+)$$

$$(-)(-) = (+)$$

$$(+)(-) = (-)$$

What will the sign be???

A. $-4 \times -1 \times 9 \times -3 =$ negative

B. $5 \times 4 \times 3 \times -3 \times -4 \times 3 =$ positive

C. $(+)(-)(-)(+)(-)(-)(+)(-) =$
negative

Multiplying Fractions

Multiply the NUMERATOR x NUMERATOR
DENOMINATOR x DENOMINATOR



Find the product for the following. Express your answer in lowest terms and as a mixed number when necessary.

$$\frac{6}{7} \times \frac{5}{6} = \frac{30}{42}$$

$$\frac{15}{21}$$

$$\frac{5}{7}$$

Brackets



When brackets are placed beside each other it is a multiplication therefore the "x" is not needed.

$$-3 \times -4$$

$$(-3)(-4)$$

Evaluate and express in lowest terms:

a) $\left(-\frac{2}{5}\right) \times \frac{7}{-3}$

$$-\frac{2}{5} \times \frac{7}{-3}$$

$$\frac{14}{15}$$

b) $\frac{5}{6} \times -3\frac{1}{2}$

$$\frac{5}{6} \times \frac{-7}{2}$$

$$\frac{-35}{12}$$

$$-2\frac{11}{12}$$

$$c) \left(-\frac{1}{6}\right)\left(1\frac{3}{4}\right)$$

$$-\frac{1}{6} \times \frac{7}{4}$$

$$\left(-\frac{7}{24}\right)$$

$$d) \left(2\frac{4}{5}\right) - \left(-\frac{3}{6}\right)$$

$$\begin{array}{r} \times 6 \\ \frac{14}{5} \end{array} - \begin{array}{r} \times 5 \\ -\frac{3}{6} \end{array} \times 5$$

$$\frac{84}{30} - -\frac{15}{30}$$

$$\frac{99}{30} = 3\frac{9}{30} = \left(3\frac{3}{10}\right)$$

$$\frac{1}{3} \times \frac{2}{-7} \times -2\frac{3}{4}$$

$$\frac{1}{3} \times \frac{-2}{7} \times \frac{-11}{4}$$

$$\frac{22}{84} = \frac{11}{42}$$

Homework Time!!!!!!!!!!!!



You must copy the question then answer.

Express all answers in lowest terms and as mixed numbers when necessary!!!!!!

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↑
solve

product →

the answer you

get multiply