

Class/Homework



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Questions:

5,6,7,8,9

11,13cd,15ab

5. Determine each difference.

a) i) $11 - 2$

ii) $\frac{11}{5} - \frac{2}{5}$

b) i) $-11 - 2$

ii) $-\frac{11}{5} - \frac{2}{5}$

c) i) $11 - (-2)$

ii) $\frac{11}{5} - \left(-\frac{2}{5}\right)$

d) i) $2 - (-11)$

ii) $\frac{2}{5} - \left(-\frac{11}{5}\right)$

6. Which of the following expressions have the same answer as $-\frac{3}{10} - \frac{9}{5}$?

How do you know?

a) $-\frac{3}{10} - \left(-\frac{9}{5}\right)$

b) $\frac{3}{10} - \frac{9}{5}$

c) $-\frac{9}{5} - \frac{3}{10}$

d) $\frac{9}{5} - \frac{3}{10}$

7. Use integers to estimate each difference.
Then, determine each difference.

a) $10.8 - 3.5$

b) $-37.23 - 48.54$

c) $50.06 - (-14.67)$

d) $64.19 - 95.76$

e) $-28.31 - 9.72$

f) $70.59 - (-81.25)$

8. On January 25th, 2008, the lowest temperature in Iqaluit, Nunavut, was -28.5°C .

On the same day, the lowest temperature in Inuvik, Northwest Territories, was -33.1°C .

a) What is the difference in these temperatures?

b) Why are there two possible answers to part a?

9)

a) $\frac{17}{3} - \frac{19}{2}$

b) $-\frac{13}{5} - \frac{7}{3}$

c) $1\frac{5}{6} - 6\frac{3}{4}$

9)

d) $-\frac{19}{6} - \frac{7}{8}$

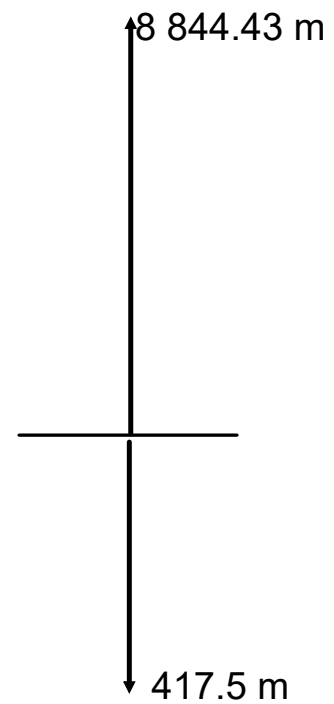
e) $\frac{15}{4} - \frac{5}{12}$

f) $-2\frac{1}{8} - \left(-4\frac{1}{3}\right)$

11. In Asia, the lowest point on land is the shore of the Dead Sea, which is 417.5 m below sea level. The highest point is the peak of Mount Everest, which 8844.43 m above sea level.

a) Write each measurement above as a rational number.

b) Write a subtraction statement that represents the distance between the highest point and the lowest point. What is this distance?



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13)

$$\text{c) } -\frac{16}{5} - \left(-\frac{14}{3}\right) + \frac{13}{4}$$

$$\text{d) } 23.5 + (-12.61) - 3.2$$

15. Determine the missing number in each subtraction statement.

a) $\square - 28.4 = 37.3$

b) $\frac{9}{10} - \square = \frac{3}{5}$