

September 30

Warm-Up

A. Order the following from greatest to least.

~~-0.32~~, -1.45, ~~-0.30~~ ~~-0.33~~, ~~-1.40~~ -1.42

-0.30, -0.32, -0.33, -1.40, -1.42, -1.45

B. From November 12th to November 21st, the temperature in Burnaby, B.C. dropped an average of  $1.7^{\circ}\text{C}$  each day. Suppose the temperature on the morning of November 12th was  $11.4^{\circ}\text{C}$ . What was the temperature on the morning of November 21st?

$$9 \times 1.7 = 15.3^{\circ} \text{ drops}$$

$$11.4^{\circ}\text{C} + 75.3$$

$$11.4 - 15.3 = -3.9^{\circ}\text{C}$$

1. A diver descends 3.2 m in 5 min. What was his average rate of descent in metres per minute?

$$\frac{3.2 \text{ m}}{5 \text{ min}} = 0.64 \text{ m/min}$$

BEDMAS

$$4. b) \quad -\frac{5}{4} \div \left( -\frac{1}{4} + \frac{3}{2} \right) \left( -\frac{1}{4} + \frac{3}{2} \right)$$

$$-\frac{5}{4} \div \left( -\frac{1}{4} + \frac{6}{4} \right) \left( -\frac{1}{4} + \frac{6}{4} \right)$$

$$-\frac{5}{4} \div \left( \frac{5}{4} \right) \left( \frac{5}{4} \right)$$

← flip

$$\begin{array}{c} \downarrow \\ -\frac{5}{4} \times \frac{4}{5} \times \frac{5}{4} = \frac{-100}{80} = \frac{-10}{8} = -\frac{5}{4} \end{array}$$



$$\left(\frac{5}{3} + \frac{1}{5}\right) \times \frac{5}{2} \times \left(\frac{5}{3} - \frac{5}{4}\right)$$

$$\left(\frac{25}{15} + \frac{3}{15}\right) \times \frac{5}{2} \times \left(\frac{20}{12} - \frac{15}{12}\right)$$

$$\frac{28}{15} \times \frac{5}{2} \times \frac{5}{12}$$

$$\frac{700}{360} = \frac{340}{360}$$

$$\frac{34}{36} \quad \left(\frac{17}{18}\right)$$



$$\left(1\frac{1}{4} + -3\frac{1}{2}\right) - -\frac{1}{2} \times \frac{2}{5} \div \frac{2}{3}$$

$$\left(\frac{5}{4} + \frac{-7}{2}\right) - -\frac{1}{2} \times \frac{2}{5} \div \frac{2}{3}$$

$$\frac{5}{4} + \frac{-14}{4} - -\frac{1}{2} \times \frac{2}{5} \div \frac{2}{3}$$

$$\frac{-9}{4} - -\frac{1}{2} \times \frac{2}{5} \div \frac{2}{3}$$

$$\frac{-9}{4} - \frac{-2}{10} \left(\frac{1}{1}\right) \frac{2}{3} \leftarrow \text{flip}$$

$$\frac{-9}{4} - \frac{-2}{10} \times \frac{3}{2}$$

$$\frac{-9}{4} - \frac{-6}{20}$$

$$\frac{-45}{20} - \frac{-6}{20} = \frac{-39}{20} = -\frac{19}{20}$$



## Classwork/HOMEWORK

1. Complete the six orders of operations questions and pass in.

2. Page 140-141

#7 [a,c] a)  $-2\frac{1}{2}$  c)  $-\frac{8}{27}$

#12 [a,c]

a)  $-6\frac{1}{3}$  c)  $3\frac{1}{8}$