

## 8.2 Warm Up

1. Subtract the fractions. Write your answers in lowest terms.

a)  $\frac{3}{5} - \frac{1}{10}$

Find a common denominator.

b)  $-\frac{5}{4} - \frac{1}{2}$

2. Solve using the order of operations.

× or ÷ in order from left to right.  
+ or - in order from left to right.

a)  $\frac{1}{2} \times \frac{3}{4} - \frac{5}{8}$

$$= \frac{\boxed{\phantom{000}}}{\boxed{\phantom{000}}} - \frac{5}{8}$$

$$= \frac{\boxed{\phantom{000}}}{\boxed{\phantom{000}}} + \left(-\frac{5}{8}\right)$$

$$= \frac{\boxed{\phantom{000}}}{\boxed{\phantom{000}}}$$

b)  $\frac{2}{3} + \frac{1}{4} \div 3$

$$= \frac{2}{3} + \left(\frac{1}{4} \div \frac{\boxed{\phantom{000}}}{\boxed{\phantom{000}}}\right)$$

$$= \frac{2}{3} + \left(\frac{1}{4} \times \frac{\boxed{\phantom{000}}}{\boxed{\phantom{000}}}\right)$$

3. Translate each phrase into algebra.

a) 24 more than double  $m$ :

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b) a quarter of  $x$ :

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c) 5 less than  $y$ :

\_\_\_\_\_

d) 5 less than half of  $n$ :

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