

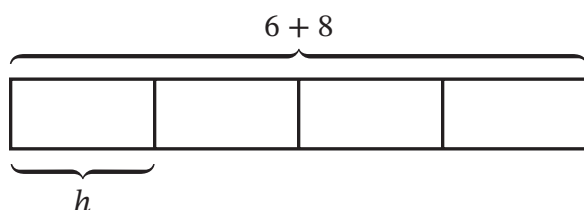


Name \_\_\_\_\_

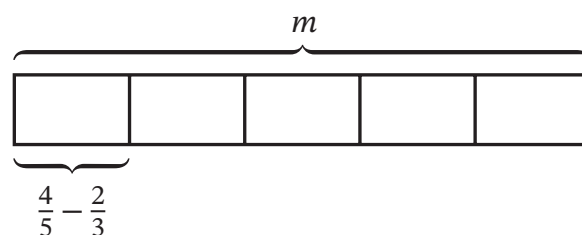
Date \_\_\_\_\_

Write an equation that can be used to find the unknown value for each tape diagram. Then use the equation to find the value of the unknown.

1.

 $h =$ 

2.

 $m =$ 

3. Read the expressions. Then follow the instructions for each part.

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

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

$2 + \left(\frac{1}{2} + 4\right)$

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

- Circle the expression that represents 2 more than the sum of  $\frac{1}{2}$  and 4.
- Put a box around the expression that represents 4 times as much as the difference between 2 and  $\frac{1}{2}$ .
- Underline the expression that represents twice as much as the sum of  $\frac{1}{2}$  and 4.
- Draw an X through the expression that represents 2 less than the sum of  $\frac{1}{2}$  and 4.

Write an expression to represent each statement. Then evaluate your expression.

4. The difference between  $\frac{3}{4}$  and  $\frac{2}{7}$ , doubled

Expression:

Value:

5.  $\frac{1}{5}$  of the sum of  $\frac{2}{3}$  and  $\frac{1}{2}$

Expression:

Value:

6.  $\frac{1}{3}$  subtracted from  $\frac{5}{6}$  of 10

Expression:

Value:

7. Half of  $\frac{1}{3}$  added to the product of 3 and  $\frac{3}{2}$

Expression:

Value:

Use  $>$ ,  $=$ , or  $<$  to compare. Explain how you can compare the expressions without evaluating.

8.  $\frac{1}{7}$  the sum of 5 and 9 \_\_\_\_\_  $(5 + 9) \div 7$

Explain:

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9.  $\frac{3}{4} \times \left(6 \times \frac{4}{5}\right)$  \_\_\_\_\_  $\frac{3}{7}$  of the product of 6 and  $\frac{4}{5}$

Explain:

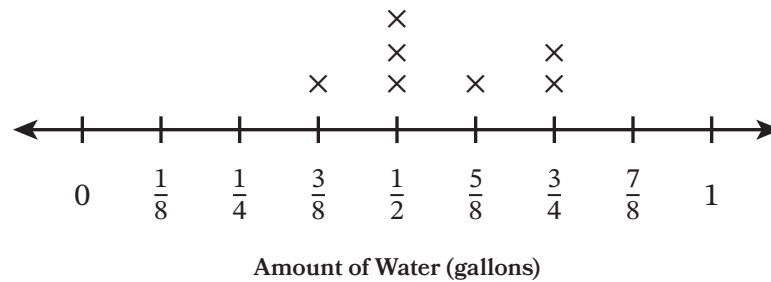
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10. Subtract 4 from  $\frac{1}{3}$  of 11 \_\_\_\_\_  $\left(\frac{1}{3} \times 14\right) - 4$

Explain:

11. The line plot shows the amount of water, in gallons, that Yuna drinks each day for one week.

**Amounts of Water Yuna Drinks**



- a. Write an expression that includes multiplication to represent the total amount of water Yuna drinks in one week.
- b. Evaluate your expression to find the total amount of water, in gallons, that Yuna drinks in one week.