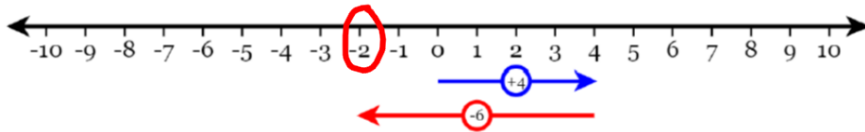


Unit 2 Review

Write an expression for the number lines shown below. Then perform the operation.

1.

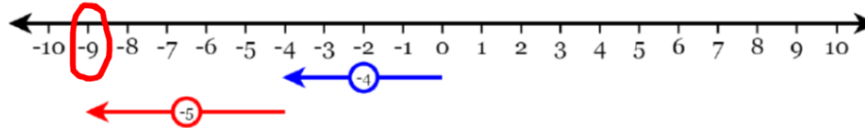


$$4 - 6 = -2$$

or

$$4 + (-6) = -2$$

2.



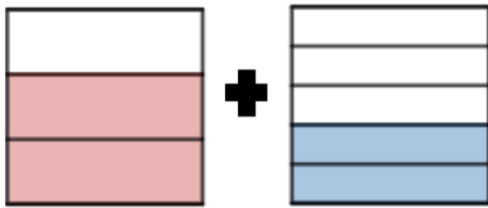
$$-4 - 5 = -9$$

or

$$-4 + (-5) = -9$$

Write an expression for the fraction strip shown below. Then perform the operation.

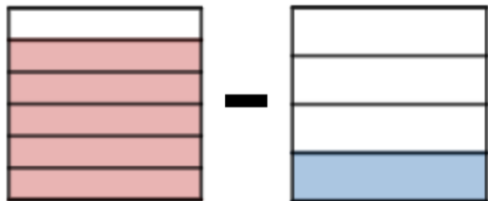
3.



$$\frac{2}{3} + \frac{2}{5}$$

$$\frac{10}{15} + \frac{6}{15} = \frac{16}{15}$$

4.

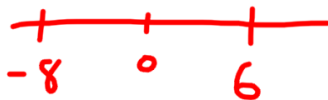


$$\frac{5}{6} - \frac{1}{4}$$

$$\frac{10}{12} - \frac{3}{12} = \frac{7}{12}$$

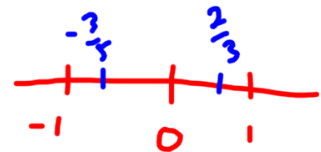
Find the distance between the two points.

5. 6 and -8



$$6 - (-8) = 14$$

6. $\frac{2}{3}$ and $-\frac{3}{5}$



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

$$\frac{10}{15} + \frac{9}{15} = \frac{19}{15}$$

Perform the indicated operation. Express your answer in simplest form.

7. $2 - 8 =$
 -6

8. $-3 - 5 =$
 -8

9. $\frac{1}{8} + \frac{3 \cdot 2}{4 \cdot 2}$
 $\frac{1}{8} + \frac{6}{8} = \boxed{\frac{7}{8}}$

10. $\frac{2}{7} - \frac{5}{7} =$
 $-\frac{3}{7}$

11. $\frac{1 \cdot 1}{2 \cdot 3} + \frac{1 \cdot 3}{2 \cdot 3}$
 $-\frac{2}{6} + \frac{3}{6} = \boxed{\frac{1}{6}}$

12. $-2 + (-5) =$
 -7

13. $-3 + (+12) =$
 $-3 + 12$

14. Make the mixed number an improper fraction first, then subtract
 $3\frac{4}{5} - \frac{2}{5} =$
 $\frac{19}{5} - \frac{2}{5} = \boxed{\frac{17}{5}}$

15. Make the mixed number an improper fraction first, then add
 $\frac{2}{3} + 3\frac{3}{4} =$
 $4 \cdot \frac{2}{3} + \frac{15 \cdot 3}{4 \cdot 3}$
 $\frac{8}{12} + \frac{45}{12} = \boxed{\frac{53}{12}}$

Word Problems. Write an expression to represent the following, then solve it!

16. The temperature outside was -6°F in the morning. It warmed up 9 degrees by noon. What was the temperature at noon?

$-6 + 9 = \boxed{3^{\circ}\text{F}}$

17. The temperature outside was 8°F at noon. It dropped down to -4°F during the night. What was the change in temperature?

$8 +$
 $0 +$
 $-4 +$
 $8 - (-4) = \boxed{12^{\circ}\text{F}}$

18. Bob has 6 dollars and spends 2 dollars on a king sized candy bar. How much money does Bob have left?

$6 - 2 = \boxed{4 \text{ dollars}}$