

T2-09 Number: _____ Name: Key Period: _____ Score: _____

Simplify each expression.

1. $\frac{1}{2} + \frac{3}{5} = \frac{11}{10}$

2. $12 + (-10) = 2$

3. $4 - (-2) = 6$

4. $-\frac{6}{7} + \frac{1}{3} = -\frac{11}{21}$

5. $-\frac{3}{2} \left(-\frac{2}{3}\right) = 1$

6. $8(-9) = -72$

7. $-35 \div 7 = -5$

8. $\frac{\frac{7}{8}}{\frac{2}{3}} = \frac{21}{16}$

Write each problem as an expression and then find the solution and explain its meaning

9. The lowest temperature ever recorded in Wyoming was -66°F . The highest temperature ever recorded was 115°F . What is the difference between these temperatures?

$$115 - (-66) = \boxed{181^{\circ}\text{F}}$$

10. The temperature decreases 5 degrees for 6 hours. What is the total temperature change?

$$-5 \cdot 6 = \boxed{-30^{\circ}}$$

11. Frank picked $\frac{1}{4}$ of a bucket of apples and Jesse picked $1\frac{5}{8}$ of a bucket of apples. How many buckets did they fill in total?

$$\frac{1}{4} + 1\frac{5}{8} = \boxed{1\frac{7}{8} \text{ buckets}}$$

12. There is $\frac{1}{2}$ of a pie left and 4 people want to share the pie. How much of the pie will each person get?

$$\frac{1}{2} \div 4 = \boxed{\frac{1}{8} \text{ of the pie}}$$