

Review 2.1**Short Answer**

Add or subtract. Write in simplest form.

1. $-\frac{5}{9} - \frac{7}{18}$

2. **CARS** Sean uses $5\frac{1}{4}$ quarts of oil each time he changes the oil in his car. How much oil does Sean use for 3 oil changes?

3. **FOOD** Antonio bought $1\frac{1}{3}$ pounds of chicken and $2\frac{1}{4}$ pounds of hamburger for his picnic. How many pounds of meat did he buy?

Evaluate each expression.

4. $2^4 \cdot 3^2$

5. Write 1.698×10^4 in standard notation.

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6. Write 0.0021 in scientific notation.

7. Simplify $\frac{5 + \frac{1}{5}}{\frac{1}{2} + \frac{1}{3}}$. Write in simplest form.

8. Write $-5\frac{4}{33}$ as a decimal.

Write each decimal as a fraction or mixed number in simplest form.

9. -2.18

Multiply or divide. Write in simplest form.

10. $-3\frac{1}{5} \cdot 4\frac{2}{5}$

11. $4 \div 6\frac{1}{3}$

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12. $-\frac{1}{5} \div \left(-\frac{7}{8}\right)$

13. $5\frac{2}{3} \div \left(-2\frac{4}{15}\right)$

Add or subtract. Write in simplest form.

14. $\frac{10}{17} - \frac{15}{17}$

15. $6 + \left(-2\frac{1}{5}\right)$

16. $-4\frac{1}{3} - \left(-2\frac{1}{2}\right)$

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17. $1\frac{14}{15} - 2\frac{7}{10}$

18. **NEWSPAPERS** The length of the page of the school newspaper is 17 inches. The top and bottom margins are both $1\frac{1}{4}$ inches. What is the length of the page inside the margins?

19. **CONSTRUCTION** The Phillip Company is constructing a new building. After 5 days the building is 10 feet tall. In 10 days the building is 20 feet tall. In 15 days the building is 30 feet tall. Will the company be able to complete a 50 foot tall building in 30 days? Explain.