Short Answer

Solve.

1. \[9 - 24 + 6 + 5 \times (-3) = \boxed{-10}\]
2. \[5^2 \cdot (2 + 5^3) = \boxed{675}\]
3. \[4^2 \cdot (5 - 6^3) = \boxed{-996}\]
4. \[11 + -8 = \boxed{3}\]
5. \[-5 + -13 = \boxed{-18}\]
6. \[-8 + | -9 | = \boxed{1}\]

7. Frank has a batting average of .280. Write this decimal as a fraction in simplest form.
   \[\frac{280}{1000} = \frac{7}{25} \text{ (fully reduced)}\]

Find the sum.

8. \[10\frac{2}{4} + 5\frac{1}{2} = \boxed{16}\]
9. \[\frac{2}{3} + \frac{1}{12} = \boxed{\frac{9}{12}} = \boxed{\frac{3}{4}}\]

10. Find the perimeter of the figure. Objects not necessarily drawn to scale.

   \[\text{Perimeter} = 2\frac{26}{45}\]
Find the difference.

11. \( \frac{4}{5} - 4\frac{1}{4} \) = \( 2\frac{11}{20} \)

12. \( \frac{10}{11} - \frac{1}{3} \) = \( \frac{19}{33} \)

13. A bread recipe calls for \( 1\frac{1}{2} \) cups of white flour and you only have \( \frac{1}{3} \) cups of flour. How much more flour do you need? = \( 1\frac{1}{10} \)

Find the product.

14. Find the area of a rectangle with length \( 4\frac{2}{7} \) and width \( 2\frac{1}{5} \). (Multiply)
\[
\frac{330}{35} = 9\frac{15}{35} = 9\frac{3}{7}
\]

15. \( 15 \cdot \frac{2}{3} \) = \( 10 \)

Find the quotient.

16. \( 6 + \frac{1}{2} \) = \( 12 \)

17. \( 4\frac{1}{5} + 2\frac{4}{5} \) = \( 1\frac{1}{2} \)

18. Melanie has a piece of cloth \( 5\frac{1}{3} \) yd long. How many \( \frac{1}{3} \)-yd pieces can be cut from the cloth? = \( 16 \)

Compare. Use <, >, or =.

19. \( \frac{1}{3} \) \( \neq \) \( \frac{4}{10} \)

Write the fraction as a decimal.

20. \( \frac{3}{8} \) = \( 0.375 \)

21. \( \frac{1}{7} \) = \( 0.143 \)