

Intro to Statistics
Foundational Mathematics - Assignment #5

Simplify.

1. $345.26 + 45.98$

2. 5.76×7.2

3. $27 \div 1.8$

- 4.** At the market Matt bought three boxes of Lucky Charms. If each box costs \$5.63, how much did Matt pay for all three boxes.

- 5.** Maria bought 4 bags of Flaming Hot Cheetos for \$4.28. How much did each bag cost?

- 6.** At the market, Ivan bought three oranges and five apples. If an orange costs 78 cents and an apple costs 94 cents, then how much did Ivan pay for all the fruit?

- 7.** A repair man got on an elevator at ground level. If the elevator first went down 1 floors and then up 17 floors, then at which floor did the repairman get off.

Write the equivalent fraction, decimal, and/or percentage.

8. $\frac{3}{4}$

9. 80%

10. .06

P:

D:

P:

D:

F:

F:

11. .4

12. 2%

13. $\frac{3}{8}$

P:

D:

D:

F:

F:

P:

Simplify.

14. $\frac{5}{6} + \frac{3}{8}$

15. $\frac{5}{6} \cdot \frac{3}{10}$

16. $\frac{5}{6} \cdot 3$

17. $\frac{5}{6} \div \frac{10}{3}$

18. $\frac{1}{2} \div 2$

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

20. $-12 - 12$

21. $(-12)(-12)$

22. -9×8

23. $(-4) + (-7)$

24. $6 + (-9)$

25. $\frac{-6}{-30}$

26. $(-3)(-9)(-4)$

27. $(-3) + (-9) + (-4)$

28. $-45 \div (-9)$

29. Chelsea is baking chocolate chip cookies.

The recipe calls for $\frac{3}{4}$ cup sugar. If Chelsea wants to make 2 times the recipe, how much sugar will she need to use.

30. The temperature at the beginning of the day is

45° F and drops to -12° F by midnight. How many degrees did the temperature drop?

Write in standard form. Write in standard form. Write in scientific notation. Write in scientific notation.

31. 3.01×10^{-5}

32. 5.06×10^6

33. .000545

34. 5,006,000

Answer Key:

- | | | | | | | | |
|---------------------------|-----------------------------|-----------------------------|------------------------------|-------------------|---------------------|--------------------|-----------------------|
| 1) 391.24 | 2) 41.472 | 3) 15 | 4) \$16.89 | 5) \$1.07 | 6) \$7.04 | 7) 16 | 8) P: 75% D: .75 |
| 9) D: .8 F: $\frac{4}{5}$ | 10) P: 6% F: $\frac{3}{50}$ | 11) P: 40% F: $\frac{2}{5}$ | 12) D: .02 F: $\frac{1}{50}$ | 13) D: .37 P: 37% | | | |
| 14) $1\frac{5}{24}$ | 15) $\frac{1}{4}$ | 16) $2\frac{1}{2}$ | 17) $\frac{1}{4}$ | 18) $\frac{1}{4}$ | 19) $\frac{11}{12}$ | 20) -24 | 21) 144 22) -72 |
| 23) -11 | 24) -3 | 25) $\frac{1}{5}$ | 26) -108 | 27) -16 | 28) 5 | 29) $1\frac{1}{2}$ | 30) 57°F 31) .0000301 |
| 32) 5,060,000 | 33) 5.45×10^{-4} | 34) 5.006×10^6 | | | | | |