

Section 2.1 Exercises Part A

Calculator Usage Assignment

On this assignment, you should **use your calculator**. Become familiar with it. It is now your friend!

Estimate the product (round to the greatest value; then multiply).

1. $75,800 \times 49.34$

2. $.004208 \times .06916$

3. $4.447 \times 7,164$

Add.

4.
$$\begin{array}{r} 37,291 \\ + 348.23 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 5.871 \\ + 39.7 \\ \hline \end{array}$$

6. $17\frac{9}{23} + 5\frac{5}{23} =$

Subtract.

7. Temp: 85.3°F
Change: 130.4° colder
Final:

8. $-5 - 3 =$

9. $23\frac{4}{11} - 15\frac{8}{11} =$

Multiply.

10. Cost: $\$38.40$
Quantity: 27
Total:

11. $441 \times 29 =$

12. $-\frac{2}{5} \times \frac{16}{11} =$

Find.

13. $3^7 =$

14. $27^2 =$

15. $11^7 =$

Add or Subtract. Simplify.

16. $\frac{3}{4} + \frac{4}{9} =$

17. $\frac{5}{8} + \frac{7}{10} =$

18. $\frac{8}{15} - \frac{7}{9} =$

19. $14\frac{1}{8} - 7\frac{4}{9} =$

20. $5\frac{9}{10} + 19\frac{1}{8} =$

21. $4\frac{5}{8} - 5\frac{3}{16} =$

Fill out the table.

	Mixed	Improper
22.	$7\frac{4}{11}$	
23.		$-\frac{5}{2}$

Divide.

24.
$$\frac{\frac{11}{12}}{\frac{7}{18}}$$

25. $\frac{5}{6} \div 4\frac{1}{2} =$

26. $7\frac{5}{8} \div \frac{3}{8} =$

Change into a decimal.

27. $\frac{7}{11}$

28. $\frac{3}{5}$

29. $\frac{2}{9}$

Change into a fraction and simplify.

30. .07

31. .44

32. .625

Divide.

33. $7 \overline{)343}$

34. $6 \overline{)79}$

35. $57 \overline{)6273}$

36. $.5 \overline{)4.731}$

37. $.004 \overline{)967.4}$

Evaluate

38. $5 - 3^2 + 8 \div 2$

39. $(5 - 3)^2 + 8 \times 2$

40. $5 - (4^2 + 8) \div 2$

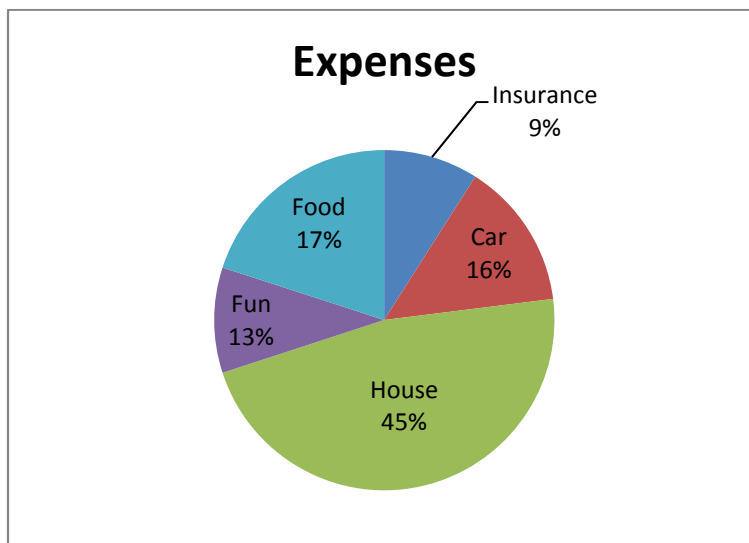
41. Change 60 miles per hour into feet per second. (5280 feet = 1 mile)

Change into a percent.

42. $\frac{28}{30}$

43. $\frac{41}{57}$

44. $\frac{37}{100}$



Using the chart, find out how much money was spent if the total budget was \$2437.

45. Fun

46. Insurance

47. Food

Find the following:

48. Price: \$380.50
Tax rate: 7%
Tax:
Final Price:

49. Attendees: 48
Percent kids: 25%
Kids:

50. Students: 30
Number of A's: 24
Percent of A's:

Answers:

1. About 4,000,000
2. About .00028
3. About 28,000
4. 37,639.23
5. 45.571
6. $22\frac{14}{23}$
7. -45.1° F
8. -8
9. $7\frac{7}{11}$
10. \$1,036.80
11. 12,789
12. $-\frac{32}{55}$
13. 2187
14. 729
15. 19,487,171
16. $1\frac{7}{36}$
17. $1\frac{13}{40}$
18. $-\frac{11}{45}$
19. $6\frac{49}{72}$
20. $25\frac{1}{40}$
21. $-\frac{9}{16}$
22. $\frac{81}{11}$
23. $-2\frac{1}{2}$
24. $2\frac{5}{14}$ or $\frac{33}{14}$
25. $\frac{5}{27}$
26. $20\frac{1}{3}$ or $\frac{61}{3}$
27. $\overline{.63}$
28. .6
29. $\overline{.2}$
30. $\frac{7}{100}$
31. $\frac{11}{25}$
32. $\frac{5}{8}$
33. 49
34. $13\frac{1}{6}$ or $13.\overline{16}$
35. 110.0526...
36. 9.462
37. 241,850
38. 0
39. 20
40. -7
41. 88 feet per second
42. 93.3%
43. 71.9%
44. 37%
45. \$316.81
46. \$219.33
47. \$414.29
48. \$26.64, \$407.14
49. 12 kids
50. 80%