

## Section 1.4 Exercises Part C

### Exam 1 Review Exercises

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

1.  $2,589,000 \times 59.34$

2.  $.005608 \times .07816$

3.  $3.847 \times 2,564$

**Add.**

4. 
$$\begin{array}{r} 36,841 \\ + 249.7 \\ \hline \end{array}$$

5. 
$$\begin{array}{r} 723.3 \\ + 39.7 \\ \hline \end{array}$$

6.  $16\frac{9}{14} + 5\frac{13}{14} =$

**Subtract.**

7. Temp:  $-35.5^\circ \text{ F}$   
Change:  $13.4^\circ$  warmer  
Final:

8.  $-8 - (-11) =$

9.  $13\frac{4}{7} - 1\frac{6}{7} =$

**Multiply.**

10. Cost: \$35.20  
Quantity: 17  
Total:

11.  $369 \times (-23) =$

12.  $\frac{4}{5} \times \frac{11}{12} =$

**Add or Subtract. Simplify.**

13.  $\frac{3}{2} + \frac{5}{9} =$

14.  $\frac{11}{12} + \frac{5}{14} =$

15.  $\frac{5}{18} - \frac{5}{6} =$

16.  $15\frac{1}{6} - 6\frac{7}{9} =$

17.  $5\frac{9}{10} + 13\frac{1}{8} =$

18.  $12\frac{4}{9} - 9\frac{2}{14} =$

**Fill out the table.**

	Mixed	Improper
19.	$-3\frac{5}{7}$	
20.		$\frac{59}{6}$

**Divide.**

21.  $\frac{\frac{8}{9}}{\frac{5}{18}} =$

22.  $\frac{8}{9} \div 4\frac{2}{3} =$

23.  $7\frac{3}{4} \div \left(-\frac{4}{5}\right) =$

**Change into a decimal.**

24.  $\frac{5}{12}$

25.  $\frac{7}{9}$

26.  $\frac{2}{7}$

**Change into a fraction and simplify.**

27. .3

28. .055

29. .375

**Divide.**

30.  $7 \overline{)485}$

31.  $3 \overline{)781}$

32.  $43 \overline{)673}$

33.  $.5 \overline{)47.31}$

34.  $.0004 \overline{)562.4}$

35. A dishwasher uses about 1400 watts of power. If the power company charges 9 cents per kilowatt-hour, how much does it cost to run a dishwasher for 16 hours in the month?

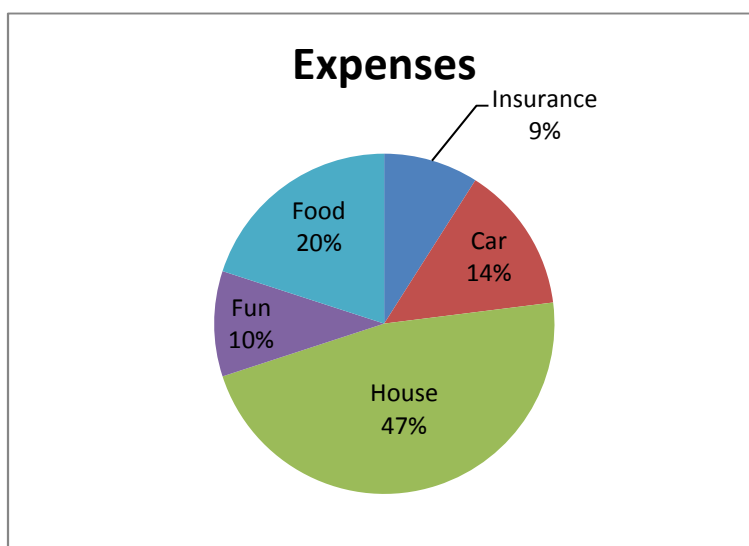
36. I bought 8 yards of rope for \$9.84. How much did it cost per foot?

**Change into a percent.**

37.  $\frac{24}{25}$

38.  $\frac{36}{40}$

39.  $\frac{17}{50}$



Using the chart, find out how much money was spent if the total budget was \$3200.

40. Car

41. House

42. Food

**Find the following:**

43. Price: \$45.20  
Tax rate: 7%  
Tax:  
Final Price:

44. Attendees: 239  
Percent men: 29%  
Men:

45. Price: \$15.30  
Discount: 30%  
Amount of discount:  
Final Price:

**46. Round to the nearest ten:**

583.872

Answers:

- |  |   |
|--|---|
| <b>1.</b> About 180,000,000                          | <b>31.</b> $260\frac{1}{3}$ or $260.\overline{3}$ |
| <b>2.</b> About .00048                               | <b>32.</b> $15\frac{28}{43}$ or 15.65116...       |
| <b>3.</b> About 12,000                               | <b>33.</b> 94.62                                  |
| <b>4.</b> 37,090.7                                   | <b>34.</b> 1,406,000                              |
| <b>5.</b> 763  | <b>35.</b> \$2.02                                 |
| <b>6.</b> $22\frac{4}{7}$                            | <b>36.</b> \$0.41 per foot                        |
| <b>7.</b> $-22.1^\circ$ F                            | <b>37.</b> 96%                                    |
| <b>8.</b> 3  | <b>38.</b> 90%                                    |
| <b>9.</b> $11\frac{5}{7}$                            | <b>39.</b> 34%                                    |
| <b>10.</b> \$598.40                                  | <b>40.</b> \$448                                  |
| <b>11.</b> -8,487                                    | <b>41.</b> \$1504                                 |
| <b>12.</b> $\frac{11}{15}$                           | <b>42.</b> \$640                                  |
| <b>13.</b> $2\frac{1}{18}$                           | <b>43.</b> \$3.16, \$48.36                        |
| <b>14.</b> $1\frac{23}{84}$                          | <b>44.</b> 69 men                                 |
| <b>15.</b> $-\frac{5}{9}$                            | <b>45.</b> \$4.59, \$10.71                        |
| <b>16.</b> $8\frac{7}{18}$                           | <b>46.</b> 580                                    |
| <b>17.</b> $19\frac{1}{40}$                          |   |
| <b>18.</b> $3\frac{19}{63}$                          |   |
| <b>19.</b> $-\frac{26}{7}$                           |   |
| <b>20.</b> $9\frac{5}{6}$                            |   |
| <b>21.</b> $3\frac{1}{5}$ or $\frac{16}{5}$          |   |
| <b>22.</b> $\frac{4}{21}$                            |   |
| <b>23.</b> $-9\frac{11}{16}$ or $-\frac{155}{16}$    |   |
| <b>24.</b> $.4\overline{16}$                         |   |
| <b>25.</b> $\overline{.7}$                           |   |
| <b>26.</b> $\overline{.285714}$                      |   |
| <b>27.</b> $\frac{3}{10}$                            |   |
| <b>28.</b> $\frac{11}{200}$                          |   |
| <b>29.</b> $\frac{3}{8}$                             |   |
| <b>30.</b> $69\frac{2}{7}$ or $69.\overline{285714}$ |   |