Top Score for the mathematics studied in grade 6 provides sets of exercises designed to challenge students to demonstrate mastery of the number and computation strands of the mathematics program. Speed and accuracy in computation helps students to work efficiently and effectively with many reasoning and problem-solving explorations in mathematics.

Top Score provides six sets of similar exercises for students to complete each quarter of the school year. Each set of exercises is designed for student self-assessment of computational mastery and is not intended for a teacher-assigned grade. These exercises become more challenging each quarter as the student navigates through the year’s mathematics learning experiences.

Top Score is based on the expectations outlined in the Fairfax County Public Schools’ Program of Studies for mathematics and the Virginia Standards of Learning for mathematics. Each student is encouraged to set a personal goal for computational speed and accuracy without the aid of a calculator.
Top Score Results

Quarter 1

Student __________________       Top Score Quarter Goal __________
Problem Set 1

Simplify each of the following. Write your answer in the space provided.

1) \[
\begin{array}{c}
382 \\
46 \\
382 \\
+ 93
\end{array}
\]

2) \[
\begin{array}{c}
385 \\
- 69 \\
316
\end{array}
\]

3) \[
\begin{array}{c}
23 \\
\times 13
\end{array}
\]

4) \[
\frac{4068}{9}
\]

5) \[
6.8 + 4 + 3.26
\]

6) \[
6.61 - 2.32
\]

7) \[
6.42 \times 8
\]

8) \[
12.36 \div 0.3
\]

9) \[
\frac{1}{3} + \frac{2}{5}
\]

10) \[
\frac{5}{9} - \frac{1}{3}
\]

11) \[
\frac{5}{6} - \frac{3}{4}
\]

12) \[
\frac{3}{5} + \frac{1}{2}
\]

Round to the nearer tenth.

13) \[
8.325
\]

14) \[
5.16299
\]

15) \[
2.3671
\]

16) \[
8.998
\]

Which fraction is greater?

17) \[
\frac{1}{2} \text{ or } \frac{3}{4}
\]

18) \[
\frac{5}{6} \text{ or } \frac{2}{3}
\]

19) \[
\frac{4}{5} \text{ or } \frac{3}{6}
\]

20) \[
\frac{3}{10} \text{ or } \frac{4}{9}
\]
Problem Set 2

Simplify each of the following. Write your answer in the space provided.

1) \[ \frac{106}{32} \]  
2) \[ \frac{283}{88} \]  
3) \[ \frac{35}{17} \]  
4) \[ \frac{2904}{2} \]

5) \[ 8 + 7.3 + 4.63 \]  
6) \[ 4.06 - 1.85 \]  
7) \[ 5.08 \times 9 \]  
8) \[ 5.85 \div 0.05 \]

9) \[ \frac{3}{4} + \frac{2}{3} \]  
10) \[ \frac{5}{6} - \frac{1}{8} \]  
11) \[ \frac{1}{2} - \frac{3}{10} \]  
12) \[ \frac{3}{5} + \frac{3}{4} \]

Round to the nearer tenth.

13) \[ 6.439 \]  
14) \[ 2.706 \]  
15) \[ 0.096 \]  
16) \[ 0.456 \]

Which fraction is less?

17) \[ \frac{2}{5} \text{ or } \frac{3}{7} \]  
18) \[ \frac{1}{3} \text{ or } \frac{1}{6} \]  
19) \[ \frac{4}{7} \text{ or } \frac{2}{9} \]  
20) \[ \frac{3}{4} \text{ or } \frac{5}{6} \]
Problem Set 3

Simplify each of the following. Write your answer in the space provided.

1) \( \frac{261}{84} + \frac{37}{84} \)
2) \( \frac{406}{-79} \)
3) \( \frac{46}{14} \times 14 \)
4) \( 7 \div 3787 \)
5) \( 8.7 + 3.26 + 3 \)
6) \( 5.04 - 3.86 \)
7) \( 1.4 \times 0.28 \)
8) \( 143.28 \div 0.08 \)
9) \( \frac{1}{3} + \frac{3}{8} \)
10) \( \frac{8}{9} - \frac{2}{3} \)
11) \( \frac{1}{2} - \frac{1}{5} \)
12) \( \frac{2}{5} + \frac{1}{3} \)

Round to the nearer tenth.

13) \( 8.397 \)
14) \( 3.625 \)
15) \( 5.1352 \)
16) \( 7.91 \)

Which fraction is greater?

17) \( \frac{1}{7} \) or \( \frac{2}{9} \)
18) \( \frac{3}{4} \) or \( \frac{9}{10} \)
19) \( \frac{3}{8} \) or \( \frac{6}{7} \)
20) \( \frac{2}{5} \) or \( \frac{1}{3} \)
Problem Set 4

Simplify each of the following. Write your answer in the space provided.

1) \[ \frac{847}{38} \]
2) \[ \frac{-47}{462} \]
3) \[ \frac{56}{32} \]
4) \[ \frac{5244}{6} \]

5) \[ 6.2 + 8.1 + 8.37 \]
6) \[ 7.64 - 2.8 \]
7) \[ 0.36 \times 0.09 \]
8) \[ 9.48 \div 0.4 \]

9) \[ \frac{5}{9} + \frac{2}{6} \]
10) \[ \frac{4}{5} - \frac{5}{3} \]
11) \[ \frac{2}{9} + \frac{1}{3} \]
12) \[ \frac{5}{6} - \frac{4}{5} \]

Round to the nearer tenth.

13) \[ 0.691 \]
14) \[ 1.4328 \]
15) \[ 16.8999 \]
16) \[ 4.089 \]

Which fraction is less?

17) \[ \frac{10}{11} \text{ or } \frac{5}{8} \]
18) \[ \frac{5}{12} \text{ or } \frac{1}{6} \]
19) \[ \frac{2}{3} \text{ or } \frac{7}{8} \]
20) \[ \frac{2}{3} \text{ or } \frac{4}{5} \]
Problem Set 5

Simplify each of the following. Write your answer in the space provided.

1) \[ \frac{302}{72} + 24 \]
2) \[ \frac{783}{-598} \]
3) \[ \frac{87}{28} \]
4) \[ \sqrt[7]{6944} \]
5) \[ 7.4 + 8.2 + 0.064 \]
6) \[ 4.69 - 3.581 \]
7) \[ 1.43 \times 0.5 \]
8) \[ 1.784 \div 0.08 \]
9) \[ \frac{5}{6} + \frac{3}{8} \]
10) \[ \frac{11}{12} - \frac{2}{3} \]
11) \[ \frac{3}{4} + \frac{2}{5} \]
12) \[ \frac{5}{12} - \frac{1}{3} \]

Round to the nearer tenth.

13) \[ 6.304 \]
14) \[ 3.7864 \]
15) \[ 8.1302 \]
16) \[ 5.499 \]

Which fraction is less?

17) \[ \frac{2}{3} or \frac{9}{11} \]
18) \[ \frac{7}{8} or \frac{7}{12} \]
19) \[ \frac{3}{8} or \frac{5}{6} \]
20) \[ \frac{4}{9} or \frac{5}{10} \]
Problem Set 6

Simplify each of the following. Write your answer in the space provided.

1) \[ \frac{517}{29} \]
2) \[ \frac{672}{49} \]
3) \[ \frac{74}{39} \]
4) \[ \frac{4734}{9} \]
5) \[ 5.32 + 0.6 + 7 \]
6) \[ 8.43 - 2.625 \]
7) \[ 2.56 \times 0.8 \]
8) \[ 36.96 \div 0.8 \]
9) \[ \frac{3}{4} + \frac{5}{6} \]
10) \[ \frac{7}{10} - \frac{3}{5} \]
11) \[ \frac{1}{6} + \frac{3}{8} - \frac{1}{3} \]

Round to the nearer tenth.

13) \[ 3.133 \]
14) \[ 45.1346 \]
15) \[ 7.1969 \]
16) \[ 3.099 \]

Which fraction is greater?

17) \[ \frac{1}{2} \text{ or } \frac{2}{3} \]
18) \[ \frac{6}{11} \text{ or } \frac{5}{6} \]
19) \[ \frac{4}{5} \text{ or } \frac{1}{3} \]
20) \[ \frac{8}{9} \text{ or } \frac{10}{11} \]
Student ________________    Top Score Quarter Goal ________
Problem Set 7

Simplify each of the following. Write your answer in the space provided.

1) \[ \frac{306}{229} + \frac{56}{306} \]
2) \[ \frac{356}{-79} \]
3) \[ \frac{65}{24} \]
4) \[ \frac{12}{6252} \]
5) \[ 7.51 + 3 + 0.26 \]
6) \[ 9.42 - 6.28 \]
7) \[ 3.21 \times 0.7 \]
8) \[ 5.632 \div 0.2 \]
9) \[ \frac{2}{3} + \frac{2}{3} \]
10) \[ \frac{6}{4} - 2 \frac{1}{3} \]
11) \[ \frac{1}{3} \times \frac{6}{7} \]
12) \[ \frac{1}{2} \times \frac{2}{3} \]
13) \[ 4.27 \times 10 \]
14) \[ 5.362 \times 100 \]
15) \[ 0.042 \times 10 \]
16) \[ 3.246 \times 1000 \]

Simplify.

17) \[ 3 \times 2 + 6 \]
18) \[ 16 \div 4 + 1 \]
19) \[ 50 - 6 + 9 \]
20) \[ 49 \div 7 \times 2 \]
Problem Set 8

Simplify each of the following. Write your answer in the space provided.

1) \[ \frac{208}{731} + \frac{63}{731} \]
2) \[ \frac{648}{-89} \]
3) \[ \frac{38}{75} \]
4) \[ \frac{13}{2171} \]
5) \[ 5.0 + 0.5 + 4.36 \]
6) \[ 7.08 - 3.46 \]
7) \[ 1.56 \times 0.06 \]
8) \[ 5.904 \div 0.4 \]
9) \[ \frac{2}{3} + \frac{3}{4} \]
10) \[ \frac{5}{6} - \frac{1}{3} \]
11) \[ \frac{3}{5} \times \frac{3}{4} \]
12) \[ 1\frac{1}{3} \times 1\frac{1}{4} \]
13) \[ 1.839 \times 100 \]
14) \[ 21.155 \times 1000 \]
15) \[ 7.2634 \times 10 \]
16) \[ 8.499 \times 100 \]
17) \[ 12 + 9 \div 3 \]
18) \[ 5 + 20 \div 4 \]
19) \[ 21 - 15 \div 3 \]
20) \[ 9 + 6 - 4 \]
Problem Set 9

Simplify each of the following. Write your answer in the space provided.

1)  \[
\begin{array}{c}
406 \\
+ 67
\end{array}
\]

2)  \[
\begin{array}{c}
524 \\
- 67
\end{array}
\]

3)  \[
\begin{array}{c}
62 \\
\times 85
\end{array}
\]

4)  \[
\begin{array}{c}
3390 \\
15 \overline{390}
\end{array}
\]

5)  \[
9.3 + 3.65 + 0.7
\]

6)  \[
8.05 - 4.78
\]

7)  \[
2.97 \times 0.05
\]

8)  \[
7.488 \div 0.8
\]

9)  \[
\begin{array}{c}
\frac{5}{3} \\
+ \frac{2}{5}
\end{array}
\]

10)  \[
\begin{array}{c}
\frac{4}{5} \\
- \frac{1}{3}
\end{array}
\]

11)  \[
\frac{2}{5} \times \frac{5}{9}
\]

12)  \[
\frac{1}{2} \times \frac{3}{5}
\]

13)  \[
6.1295 \times 100
\]

14)  \[
0.2337 \times 10
\]

15)  \[
8.1362 \times 1000
\]

16)  \[
4.6118 \times 10000
\]

Simplify.

17)  \[
72 \div 8 \times 3
\]

18)  \[
11 + 4 \times 9
\]

19)  \[
19 - 24 \div 6
\]

20)  \[
12 \div 4 + 7
\]
Problem Set 10

Simplify each of the following. Write your answer in the space provided.

1) \[ \frac{503}{16} + 142 \]
2) \[ \frac{837}{-98} \]
3) \[ \frac{87}{46} \]
4) \[ 18\frac{5976}{5} \]

5) \[ 3.7 + 4.615 + 5 \]
6) \[ 9.32 - 7.7 \]
7) \[ 0.71 \times 0.23 \]
8) \[ 36.57 \div 0.1 \]

9) \[ \frac{5}{8} + 2 \frac{1}{2} \]
10) \[ \frac{8}{5} - 2 \frac{3}{10} \]
11) \[ \frac{1}{3} \times \frac{9}{10} \]
12) \[ 3 \frac{1}{2} \times 1 \frac{1}{3} \]

13) \[ 3.704 \times 1000 \]
14) \[ 2.309 \times 10 \]
15) \[ 8.0902 \times 100 \]
16) \[ 7.844 \times 10000 \]

Simplify.

17) \[ 144 \div 12 \times 9 \]
18) \[ 27 + 8 \div 4 \]
19) \[ 98 - 7 \times 6 \]
20) \[ 83 + 88 \div 11 \]
Problem Set 11

Simplify each of the following. Write your answer in the space provided.

1) \[ \frac{509}{16} \]
2) \[ \frac{839}{-98} \]
3) \[ \frac{39}{85} \]
4) \[ 17 \frac{5202}{4} \]

5) \[ 2.25 + 8 + 3.146 \]
6) \[ 7.54 - 2.332 \]
7) \[ 5.74 \times 0.06 \]
8) \[ 14.11 \div 0.5 \]

9) \[ \frac{3}{8} + 2\frac{1}{4} \]
10) \[ 7\frac{7}{8} - 2\frac{5}{6} \]
11) \[ \frac{3}{4} \times \frac{8}{9} \]
12) \[ 4\frac{2}{3} \times 1\frac{1}{2} \]

13) \[ 2.093 \times 100 \]
14) \[ 6.471 \times 10 \]
15) \[ 2.6218 \times 1000 \]
16) \[ 3.906 \times 10 \]

Simplify.

17) \[ 36 \div 9 \times 8 \]
18) \[ 18 + 14 \div 2 \]
19) \[ 45 - 6 \times 4 \]
20) \[ 39 - 14 + 29 \]
Problem Set 12

Simplify each of the following. Write your answer in the space provided.

1) \[ \frac{108}{92} + \frac{267}{108} \]
2) \[ \frac{718}{267} - \frac{75}{718} \]
3) \[ \frac{73}{84} \times \]
4) \[ 16 \sqrt{6656} \]
5) \[ 7.2 + 4.561 + 3 \]
6) \[ 7.69 - 3.846 \]
7) \[ 6.23 \times 0.08 \]
8) \[ 9.706 \div 0.2 \]
9) \[ \frac{\frac{9}{4}}{\frac{1}{6}} + \frac{\frac{9}{5}}{\frac{1}{3}} \]
10) \[ \frac{\frac{3}{8}}{\frac{4}{7}} \]
11) \[ \frac{\frac{2}{3}}{\frac{3}{4}} \]
12) \[ 6.127 \times 1000 \]
13) \[ 0.035 \times 100 \]
14) \[ 5.0273 \times 10 \]
15) \[ 5.829 \times 10000 \]
16) \[ 56 \div 8 \times 4 \]
17) \[ 23 + 9 \times 6 \]
18) \[ 41 - 8 \times 5 \]
19) \[ 100 + 40 - 8 \]
Top Score Results

Quarter 3

Student ____________________  Top Score Quarter Goal ________
Problem Set 13

Simplify each of the following. Write your answer in the space provided.

1) \[ \frac{456}{204} + \frac{137}{137} + 284 \]
2) \[ 1308 - 259 \]
3) \[ 168 \times 57 \]
4) \[ 23\frac{9685}{6} \]
5) \[ 6.2 + 3 + 8.023 \]
6) \[ 4.83 - 2.64 \]
7) \[ 4.36 \times 0.04 \]
8) \[ 3.66 \div 0.4 \]
9) \[ \frac{9}{6} + 4\frac{1}{4} \]
10) \[ \frac{5}{6} - 3\frac{5}{6} \]
11) \[ 6 \times 1\frac{3}{4} \]
12) \[ \frac{3}{4} \div 1\frac{1}{2} \]

13) Find the GCF. 14) Find the GCF. 15) Find the LCM. 16) Find the LCM.
15, 20 18, 40 21, 33 6, 36

Write each fraction as a decimal numeral.

17) \[ \frac{9}{10} \]
18) \[ \frac{415}{1000} \]
19) \[ \frac{13}{100} \]
20) \[ \frac{16}{1000} \]
Problem Set 14

Simplify each of the following. Write your answer in the space provided.

1) \( \frac{621}{309} + \frac{243}{63} \)
2) \( \frac{2702}{-169} \)
3) \( \frac{289}{93} \times 3 \)
4) \( \frac{19}{1938} \)
5) \( 6.5 + 21 + 0.06 \)
6) \( 12.09 - 8.62 \)
7) \( 9.81 \times 0.07 \)
8) \( 8.421 \div 0.3 \)

9) \( \frac{4}{12} + \frac{7}{4} \)
10) \( \frac{8}{5} - 2\frac{1}{2} \)
11) \( 8 \times 3\frac{1}{4} \)
12) \( \frac{5}{6} \div \frac{2}{3} \)

13) Find the GCF.
   \( 30, 45 \)
14) Find the GCF.
   \( 16, 64 \)
15) Find the LCM.
   \( 9, 15 \)
16) Find the LCM.
   \( 21, 28 \)

Write each fraction as a decimal numeral.

17) \( \frac{2}{10} \)
18) \( \frac{42}{100} \)
19) \( \frac{534}{1000} \)
20) \( \frac{5}{100} \)
Problem Set 15

Simplify each of the following. Write your answer in the space provided.

1) \[ \frac{218}{592} \]
2) \[ \frac{3204}{-478} \]
3) \[ \frac{263}{24} \]
4) \[ 67 \div 1756 \]

5) \[ 3.4 + 7.03 + 74 \]
6) \[ 6.83 - 2.618 \]
7) \[ 8.25 \times 0.21 \]
8) \[ 6.875 \div 0.5 \]

9) \[ \frac{7\frac{3}{8}}{6\frac{5}{6}} \]
10) \[ \frac{15\frac{1}{3}}{-8\frac{5}{6}} \]
11) \[ 15 \times 2\frac{2}{3} \]
12) \[ \frac{4\frac{3}{5}}{8} \]

13) Find the GCF. 14) Find the GCF. 15) Find the LCM. 16) Find the LCM.
   12, 36 27, 36 24, 72 15, 100

Write each fraction as a decimal numeral.

17) \[ \frac{13}{10} \]
18) \[ \frac{147}{100} \]
19) \[ \frac{92}{1000} \]
20) \[ \frac{6419}{10000} \]
Problem Set 16

Simplify each of the following. Write your answer in the space provided.

1) \[
\begin{array}{c}
505 \\
129 \\
383 \\
\end{array}
+ 
\begin{array}{c}
76 \\
\end{array}
\]

2) \[
\begin{array}{c}
5307 \\
-489 \\
\end{array}
\]

3) \[
\begin{array}{c}
524 \\
\times 63 \\
\end{array}
\]

4) \[
\begin{array}{c}
38 \end{array}
\]

5) \[
\begin{array}{c}
7.2 + 9.84 + 84 \\
\end{array}
\]

6) \[
\begin{array}{c}
6.45 - 3.89 \\
\end{array}
\]

7) \[
\begin{array}{c}
6.31 \times 0.41 \\
\end{array}
\]

8) \[
\begin{array}{c}
12.78 \div 0.2 \\
\end{array}
\]

9) \[
\begin{array}{c}
6 \frac{2}{3} + 4 \frac{1}{2} \\
\end{array}
\]

10) \[
\begin{array}{c}
7 - 5 \frac{5}{12} \\
\end{array}
\]

11) \[
\begin{array}{c}
21 \times 3 \frac{1}{3} \\
\end{array}
\]

12) \[
\begin{array}{c}
1 \frac{3}{5} \div 10 \\
\end{array}
\]

13) Find the GCF.

14) Find the GCF.

15) Find the LCM.

16) Find the LCM.

98, 21

63, 27

144, 18

39, 78

Write each decimal as a fraction in simplest form.

17) \[
\begin{array}{c}
0.9 \\
\end{array}
\]

18) \[
\begin{array}{c}
0.349 \\
\end{array}
\]

19) \[
\begin{array}{c}
0.05 \\
\end{array}
\]

20) \[
\begin{array}{c}
0.061 \\
\end{array}
\]
Problem Set 17

Simplify each of the following. Write your answer in the space provided.

1) \[
\begin{array}{c}
\phantom{103} \\
\underline{+ 94}
\end{array}
\]

2) \[
\begin{array}{c}
1206 \\
\underline{- 178}
\end{array}
\]

3) \[
728 \times 56
\]

4) \[
16) 8048
\]

5) \[
94 + 2.5 + 1.87
\]

6) \[
9.76 - 3.347
\]

7) \[
4.32 \times 0.15
\]

8) \[
19.55 \div 0.5
\]

9) \[
\begin{array}{c}
\phantom{7} \frac{3}{8} \\
\underline{+ 8 \frac{3}{4}}
\end{array}
\]

10) \[
\begin{array}{c}
9 \\
\underline{- 2 \frac{5}{6}}
\end{array}
\]

11) \[
\frac{5}{8} \times \frac{2}{3}
\]

12) \[
\frac{2}{3} \div 8
\]

13) Find the GCF. 14) Find the GCF.
   84, 49  64, 72

15) Find the LCM. 16) Find the LCM.
   9, 33  36, 48

Write each decimal as a fraction in simplest form.

17) 0.8  18) 0.023  19) 0.14  20) 0.019
Problem Set 18

Simplify each of the following. Write your answer in the space provided.

1) \[ \frac{368}{247} + \frac{2528}{132} - \frac{389}{308} \times \frac{67}{41} = 3392 \]

2) \[ 5.62 + 9.1 + 3.063 \]

3) \[ 6.36 - 3.55 \]

4) \[ 4.28 \times 0.75 \]

5) \[ 22.89 \div 0.6 \]

6) \[ \frac{3}{5} + 6 \frac{7}{10} \]

7) \[ 9 \frac{1}{3} - 4 \frac{5}{6} \]

8) \[ 6 \frac{2}{5} \times 1 \frac{7}{8} \]

9) \[ 9 \frac{1}{3} \div 3 \frac{1}{3} \]

10) Find the GCF. \[ 35, 21 \]

11) Find the GCF. \[ 81, 18 \]

12) Find the LCM. \[ 60, 45 \]

13) Find the LCM. \[ 22, 33 \]

14) Write each decimal as a fraction in simplest form.

15) 4.97

16) 15.031

17) 0.0009

18) 104.67
Top Score Results

Quarter 4

Student ____________________   Top Score Quarter Goal ________

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Problem Set 19

Complete each exercise. Write your answer in the space provided.

1) Find the sum of the four numbers 956, 364, 271, and 821.
2) Find the difference between 1,406 and 897.
3) Find the product of 504 and 59.
4) Find the quotient of 8,060 and 13.
5) Find the sum of 3, 8.064, 7.1, and 0.03.
6) Find the difference between 14.63 and 8.76.
7) Find the product of 6.42 and 2.3.
8) Find the quotient of 6.84 and 0.4.
9) Find the sum of $\frac{3}{4}$ and $\frac{5}{6}$.
10) Find the difference between $11\frac{1}{5}$ and $3\frac{7}{10}$.
11) Find the product of $3\frac{1}{3}$ and $2\frac{2}{5}$.
12) Find the quotient of $2\frac{1}{2}$ and $1\frac{1}{4}$.
13) Round 7.223 to the nearer tenth.
14) Round 0.9952 to the nearer hundredth.
15) Round 1.22994 to the nearer thousandth.
16) Round 5.4999 to the nearer whole number.
17) Simplify. $3^2$
18) Simplify. $\sqrt{49}$
19) Simplify. $5^2$
20) Simplify. $\sqrt{64}$
Problem Set 20

Complete each exercise. Write your answer in the space provided.

1) Find the sum of the four numbers 621, 309, 243, and 449.
2) Find the difference between 1,702 and 469.
3) Find the product of 603 and 72.
4) Find the quotient of 5,046 and 56.
5) Find the sum of 9.32, 4.601, 8, and 3.6.
6) Find the difference between 1.464 and 0.879.
7) Find the product of 8.37 and 4.2.
8) Find the quotient of 2.32 and 0.5.
9) Find the sum of $16\frac{7}{8}$ and $8\frac{3}{4}$.
10) Find the difference between $32\frac{1}{4}$ and $17\frac{2}{3}$.
11) Find the product of $5\frac{1}{3}$ and $1\frac{1}{2}$.
12) Find the quotient of $3\frac{1}{3}$ and $\frac{5}{6}$.
13) Round 8.99 to the nearer tenth.
14) Round 4.848 to the nearer hundredth.
15) Round 3.7999 to the nearer thousandth.
16) Round 8.711 to the nearer whole number.
17) Simplify. $2^3$
18) Simplify. $\sqrt{16}$
19) Simplify. $9^2$
20) Simplify. $\sqrt{36}$
Problem Set 21

Complete each exercise. Write your answer in the space provided.

1) Find the sum of the four numbers 218, 402, 592, and 758.

2) Find the difference between 4,204 and 578.

3) Find the product of 806 and 84.

4) Find the quotient of 8,568 and 21.

5) Find the sum of 3.02, 6.4, 9, and 8.036.

6) Find the difference between 18.65 and 9.96.

7) Find the product of 1.36 and 8.3.

8) Find the quotient of 25.84 and 0.5.

9) Find the sum of $\frac{17}{6}$ and $\frac{3}{4}$.

10) Find the difference between $41\frac{1}{4}$ and $23\frac{3}{5}$.

11) Find the product of $5\frac{1}{3}$ and $1\frac{7}{8}$.

12) Find the quotient of $5\frac{2}{3}$ and $\frac{5}{9}$.

13) Round 0.056 to the nearer tenth.

14) Round 12.003 to the nearer hundredth.

15) Round 3.47729 to the nearer thousandth.

16) Round 9.3 to the nearer whole number.

17) Simplify. $10^2$

18) Simplify. $\sqrt{9}$

19) Simplify. $8^2$

20) Simplify. $\sqrt{25}$
Problem Set 22

Complete each exercise. Write your answer in the space provided.

1) Find the sum of the four numbers 834, 906, 385, and 836.

2) Find the difference between 2,307 and 89.

3) Find the product of 703 and 27.

4) Find the quotient of 9,139 and 13.

5) Find the sum of 7.034, 8, 7.23, and 5.

6) Find the difference between 0.4326 and 0.2987.

7) Find the product of 2.75 and 1.3.

8) Find the quotient of 18.9 and 0.3.

9) Find the sum of $\frac{219}{3}$ and $\frac{56}{8}$.

10) Find the difference between $\frac{523}{12}$ and $\frac{58}{6}$.

11) Find the product of $\frac{6}{8}$ and $\frac{6}{7}$.

12) Find the quotient of $\frac{2}{5}$ and $\frac{3}{5}$.

13) Round 0.211 to the nearer tenth.

14) Round 5.223 to the nearer hundredth.

15) Round 6.1101 to the nearer thousandth.

16) Round 10.45 to the nearer whole number.

17) Simplify. $6^2$

18) Simplify. $\sqrt{144}$

19) Simplify. $3^3$

20) Simplify. $\sqrt{100}$
Problem Set 23

Complete each exercise. Write your answer in the space provided.

1) Find the sum of the four numbers 767, 693, 821, and 949.
2) Find the difference between 3,206 and 878.
3) Find the product of 904 and 36.
4) Find the quotient of 5,440 and 85.
5) Find the sum of 7.01, 3.625, 9, and 12.6.
6) Find the difference between 0.2461 and 0.1692.
7) Find the product of 12.6 and 6.7.
8) Find the quotient of 6.426 and 0.4.
9) Find the sum of \( \frac{3}{2} + \frac{13}{14} \).
10) Find the difference between \( \frac{28}{3} \) and \( \frac{19}{5} \).
11) Find the product of \( \frac{3}{5} \) and \( \frac{2}{4} \).
12) Find the quotient of \( \frac{8}{3} \) and \( \frac{4}{6} \).
13) Round 3.66 to the nearer tenth.
14) Round 0.1119 to the nearer hundredth.
15) Round 2.88227 to the nearer thousandth.
16) Round 3.6 to the nearer whole number.
17) Simplify. \( 11^2 \)
18) Simplify. \( \sqrt{900} \)
19) Simplify. \( 20^2 \)
20) Simplify. \( \sqrt{4} \)
Problem Set 24

Complete each exercise. Write your answer in the space provided.

1) Find the sum of the four numbers 368, 247, 941, and 877.

2) Find the difference between 2,528 and 639.

3) Find the product of 608 and 29.

4) Find the quotient of 8,953 and 22.

5) Find the sum of 4, 9.035, 6.2, and 8.07.

6) Find the difference between 0.3147 and 0.2968.

7) Find the product of 3.76 and 6.8.

8) Find the quotient of 1.548 and 0.6.

9) Find the sum of $3 \frac{217}{1000}$ and $9 \frac{516}{1000}$.

10) Find the difference between $6 \frac{138}{1000}$ and $9 \frac{819}{1000}$.

11) Find the product of $8 \frac{13}{100}$ and $5 \frac{44}{100}$.

12) Find the quotient of $4 \frac{1}{5}$ and $10 \frac{7}{10}$.

13) Round 2.79 to the nearer tenth.

14) Round 9.899 to the nearer hundredth.

15) Round 3.9889 to the nearer thousandth.

16) Round 4.129 to the nearer whole number.

17) Simplify. $12^2$

18) Simplify. $\sqrt{400}$

19) Simplify. $5^3$

20) Simplify. $\sqrt{144}$