

NAME \_\_\_\_\_

MUST show work for all problems. You may attach a piece of notebook paper to this sheet. Your work should be numbered, neat, and organized.

**Lesson 1 Extra Practice**  
***Add and Subtract Decimals***

Find each sum.

1.  $0.46 + 0.72$

2.  $13.7 + 2.6$

3.  $17.9 + 7.41$

4.  $0.51 + 0.621$

5.  $2.35 + 5$

6.  $15.256 + 0.236$

7.  $3.7 + 1.5$

8.  $0.23 + 1.2$

9.  $1.265 + 1.654$

10.  $17.8 + 22.29$

11.  $32.34 + 15.19$

12.  $6.651 + 13.76$

Find each difference.

13.  $2.3 - 1.02$

14.  $12.56 - 10.21$

15.  $1.025 - 0.58$

16.  $20 - 5.98$

17.  $0.89 - 0.236$

18.  $25.6 - 2.3$

19.  $13.5 - 2.84$

20.  $24.56 - 24.32$

21.  $0.256 - 0.255$

22.  $45 - 31.52$

23.  $113.6 - 41.8$

24.  $178.4 - 147.3$

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## Lesson 8 Extra Practice

### *Divide Decimals by Decimals*

Divide.

1.  $18.45 \div 0.5$

2.  $5.2 \div 0.08$

3.  $0.65 \div 2.6$

4.  $12.831 \div 1.3$

5.  $5.133 \div 0.87$

6.  $24.13 \div 2.54$

7.  $35.89 \div 3.7$

8.  $32.5 \div 26$

9.  $5.88 \div 0.4$

10.  $3.7 \div 0.5$

11.  $6.72 \div 2.4$

12.  $9.87 \div 0.3$

13.  $8.45 \div 2.5$

14.  $90.88 \div 14.2$

15.  $33.6 \div 8.4$

16.  $0.1185 \div 7.9$

17.  $0.384 \div 9.6$

18.  $5.382 \div 2.3$

19.  $12.68 \div 3.2$

20.  $43.077 \div 8.65$

21.  $26.07 \div 3.3$

22.  $26.6 \div 19$

23.  $46.25 \div 25$

24.  $123.25 \div 29$

**Lesson 7 Extra Practice*****Divide Fractions*****Divide. Write in simplest form. Check by multiplying.**

1.  $\frac{2}{3} \div \frac{1}{2}$

2.  $\frac{3}{5} \div \frac{2}{5}$

3.  $\frac{7}{10} \div \frac{3}{8}$

4.  $\frac{5}{9} \div \frac{2}{3}$

5.  $4 \div \frac{2}{3}$

6.  $8 \div \frac{4}{5}$

7.  $\frac{1}{3} \div \frac{5}{9}$

8.  $\frac{2}{7} \div 7$

9.  $\frac{1}{14} \div 7$

10.  $\frac{2}{13} \div \frac{5}{26}$

11.  $\frac{4}{7} \div \frac{6}{7}$

12.  $\frac{7}{8} \div \frac{1}{3}$

13.  $15 \div \frac{3}{5}$

14.  $\frac{9}{14} \div \frac{3}{4}$

15.  $\frac{8}{9} \div \frac{5}{6}$

16.  $\frac{4}{9} \div 36$

17.  $\frac{15}{16} \div \frac{5}{8}$

18.  $\frac{3}{5} \div \frac{7}{10}$

**Lesson 5 Extra Practice****Compare and Order Fractions, Decimals, and Percents**Fill in each  $\bigcirc$  with  $<$ ,  $>$ , or  $=$  to make a true statement.

1.  $\frac{7}{9} \bigcirc 0.6$

2.  $\frac{14}{25} \bigcirc 0.75$

3.  $0.33 \bigcirc \frac{20}{60}$

4.  $\frac{5}{12} \bigcirc 0.44$

5.  $\frac{18}{24} \bigcirc 55\%$

6.  $67\% \bigcirc \frac{5}{9}$

7.  $\frac{11}{49} \bigcirc 0.29$

8.  $\frac{5}{14} \bigcirc 0.33$

9.  $37\% \bigcirc 0.37$

10.  $0.48 \bigcirc \frac{11}{25}$

11.  $70\% \bigcirc \frac{21}{25}$

12.  $0.12 \bigcirc 11\%$

Order the numbers from least to greatest.

13.  $\frac{3}{8}, \frac{3}{4}, \frac{1}{2}, \frac{5}{6}$

14.  $\frac{5}{12}, \frac{3}{5}, \frac{3}{4}, \frac{1}{2}$

15.  $\frac{5}{9}, \frac{7}{12}, \frac{3}{4}, \frac{13}{18}$

16.  $70\%, 0.6, \frac{2}{3}$

17.  $0.8, \frac{17}{20}, 17\%$

18.  $\frac{61}{100}, 0.65, 61.5\%$

19.  $\frac{3}{7}, 0.44, 42\%$

20.  $0.15, 10.5\%, \frac{7}{50}$

21.  $\frac{1}{8}, 0.81, 18\%$

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**Lesson 1 Extra Practice**  
***Factors and Multiples***

**Find the greatest common factor of each set of numbers.**

1. 64, 32

2. 14, 22

3. 12, 27

4. 17, 51

5. 48, 60

6. 54, 72

7. 60, 75

8. 54, 27

9. 14, 28, 42

10. 27, 45, 63

11. 12, 18, 30

12. 16, 40, 72

**Find the least common multiple of each set of numbers.**

13. 9, 6

14. 4, 14

15. 14, 49

16. 10, 45

17. 18, 12

18. 12, 30

19. 5, 7

20. 6, 15

21. 2, 3, 6

22. 6, 2, 22

23. 15, 12, 8

24. 15, 24, 30

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**Lesson 4 Extra Practice**  
***Multiply Decimals by Decimals***

**Multiply.**

1.  $9.6 \times 10.5$

2.  $3.2 \times 0.1$

3.  $1.5 \times 9.6$

4.  $5.42 \times 0.21$

5.  $7.42 \times 0.2$

6.  $0.001 \times 0.02$

7.  $0.6 \times 542$

8.  $6.7 \times 5.8$

9.  $3.24 \times 6.7$

10.  $9.8 \times 4.62$

11.  $7.32 \times 9.7$

12.  $0.008 \times 0.007$

13.  $0.001 \times 56$

14.  $4.5 \times 0.2$

15.  $9.6 \times 2.3$

16.  $8.3 \times 4.9$

17.  $12.06 \times 5.9$

18.  $0.04 \times 8.25$

19.  $5.63 \times 8.1$

20.  $10.35 \times 9.1$

21.  $28.2 \times 3.9$

**Lesson 3 Extra Practice*****Multiply Fractions*****Multiply. Write in simplest form.**

1.  $\frac{1}{8} \times \frac{1}{9}$

2.  $\frac{4}{7} \times 6$

3.  $\frac{7}{10} \times 5$

4.  $\frac{3}{8} \times 6$

5.  $4 \times \frac{5}{9}$

6.  $\frac{9}{10} \times \frac{3}{4}$

7.  $\frac{8}{9} \times \frac{2}{3}$

8.  $\frac{6}{7} \times \frac{4}{5}$

9.  $\frac{7}{11} \times \frac{12}{15}$

10.  $\frac{8}{13} \times \frac{2}{1}$

11.  $\frac{4}{7} \times \frac{2}{9}$

12.  $\frac{3}{7} \times \frac{5}{8}$

13.  $\frac{5}{6} \times \frac{15}{16}$

14.  $\frac{6}{14} \times \frac{12}{18}$

15.  $\frac{2}{3} \times \frac{3}{13}$

16.  $\frac{4}{9} \times \frac{1}{6}$

17.  $\frac{3}{4} \times \frac{5}{6}$

18.  $\frac{8}{11} \times \frac{11}{12}$

19.  $\frac{5}{6} \times \frac{3}{5}$

20.  $\frac{6}{7} \times \frac{7}{21}$

21.  $\frac{1}{3} \times \frac{5}{6}$

## Lesson 7 Skills Practice

### Ratio and Rate Problems

Solve.

- 1. GUACAMOLE** Eli is making guacamole. He uses 2 tablespoons of cilantro for every 3 avocados. At this rate, how many tablespoons of cilantro will he need for 9 avocados?
- 2. MARBLES** The ratio of blue marbles to white marbles in a bag is 4 to 5. At this rate, how many blue marbles are there if there are 15 white marbles?
- 3. FERTILIZER** Ellie must mix 6 tablespoons of plant food for every 2 gallons of water. If she has 6 gallons of water, how much plant food should she use?
- 4. STRAWBERRIES** At a local fruit stand, Luisa spends \$3.96 for 2 pounds of strawberries. How much can she expect to pay for 4 pounds of strawberries?
- 5. POGO STICK** On her pogo stick, Lula made 24 hops in 30 seconds. At this rate, how many hops will she make in 50 seconds?
- 6. TESTS** On a test, Matilda answered 12 out of the first 15 problems correctly. If this rate continues, how many of the next 25 problems will she answer correctly?
- 7. SOCCER** The Hawks soccer team won 12 out of 14 games. If this rate continues, how many games will they win if they play a total of 21 games?
- 8. VEGETABLES** At a harvest, 16 ears of corn are being picked for every 18 peppers. If 9 peppers have been picked, how many ears of corn have been picked?
- 9. CONSTRUCTION** At a road work site, 20 cones are placed along 50 feet of road. How many cones are placed along 35 feet of road?