

EXTRA PRACTICE - Exercises

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Unit I – The Structure of Mathematics Part C – Further Investigation of Operation Symbols **Lesson 6 – Operations with Fractions - Division**

Evaluate the following closed phrases by remembering that division means a fraction. Be sure to simplify your answers.

1. $(1 \div 9) \div (9 \div 5)$

2. $(5 \div 8) \div (15 \div 4)$

3. $(5 \div 7) \div (5 \div 2)$

4. $(37 \div 9) \div (5 \div 6)$

5. $(13 \div 4) \div (13 \div 6)$

6. $(8 \div 9) \div (16 \div 27)$

Evaluate the following by performing the indicated division, remembering the pattern developed in the lesson.

7. $\frac{12}{5} \div \frac{3}{10}$

8. $\frac{21}{30} \div \frac{7}{15}$

9. $\frac{7}{15} \div \frac{21}{30}$

10. $\frac{16}{5} \div \frac{8}{25}$

11. $\frac{5}{12} \div \frac{7}{15}$

12. $\frac{4}{7} \div \frac{3}{5}$

13. $\frac{7}{12} \div \frac{5}{14}$

14. $12 \div \frac{4}{9}$

15. $\frac{10}{3} \div \frac{5}{12}$

16. $\frac{3}{11} \div 6$

17. $\frac{1}{6} \div \frac{20}{9}$

18. $\frac{11}{7} \div \frac{1}{7}$

19. $7 \div \frac{2}{5}$

20. $\frac{125}{9} \div \frac{15}{27}$

21. $\frac{9}{8} \frac{28}{15} \div \frac{21}{10}$

EXTRA PRACTICE — Answer Key

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Unit I – The Structure of Mathematics Part C – Further Investigation of Operation Symbols **Lesson 6 – Operations with Fractions - Division**

Evaluate the following closed phrases by remembering that division means a fraction. Be sure to simplify your answers.

1. $\frac{5}{81}$

2. $\frac{1}{6}$

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

4. $\frac{74}{15}$

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

6. $\frac{3}{2}$

Evaluate the following by performing the indicated division, remembering the pattern developed in the lesson.

7. 8

8. $\frac{3}{2}$

9. $\frac{2}{3}$

10. 10

11. $\frac{25}{28}$

12. $\frac{20}{21}$

13. $\frac{49}{30}$

14. 27

15. 8

16. $\frac{1}{22}$

17. $\frac{3}{40}$

18. 11

19. $\frac{35}{2}$

20. 25

21. 1