



Problem 1 – Division as Multiplication

1. How is Exercise 3 changed into Exercise 4?

2. Find the answers using the calculator. How do the answers to Exercises 3 and 4 compare?

3. $35 \div 7$

4. $35 \times \frac{1}{7}$

5. How is Exercise 7 changed into Exercise 8?

6. Find the answers using the calculator. How do the answers to Exercises 7 and 8 compare?

7. $\frac{4}{5} \div \frac{1}{4}$

8. $\frac{4}{5} \times \frac{4}{1}$

Find the answers using the calculator and compare the following problems.

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

$\frac{9}{2} \times \frac{1}{3}$

10. $\frac{1}{5} \div \frac{8}{9}$

$\frac{1}{5} \times \frac{9}{8}$

11. How can all division problems be rewritten using multiplication?



Multiplication In Disguise

Problem 2 – Looking for Patterns

Evaluate each division problem. Look for a pattern.

Press $2 \div \frac{1}{2}$ $(\frac{1}{b/c}) 2)$ ENTER for the first problem in Exercise 12.

$12. 2 \div \frac{1}{2}$

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

$2 \div \frac{1}{4}$

$2 \div \frac{1}{5}$

13. What do all of the answers have in common? Why do you think this happens?

$14. 2 \frac{1}{2} \div \frac{1}{2}$

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

$2 \frac{1}{2} \div \frac{1}{4}$

$2 \frac{1}{2} \div \frac{1}{5}$

15. Why are some of the answers whole numbers and some of the answers fractions?

Problem 3 – Practice Makes Perfect

Evaluate each using the algorithm for dividing fractions. Write the multiplication step for each. Check your work using the calculator.

$16. 1 \frac{1}{2} \div \frac{1}{3} =$ _____

$17. \frac{3}{5} \div \frac{5}{6} =$ _____

$18. 2 \frac{1}{4} \div \frac{2}{5} =$ _____

$19. \frac{1}{3} \div \frac{1}{2} =$ _____