

It is expected that you spend 30 FOCUSED, UNINTERRUPTED minutes on this homework. Should you reach that time limit and the homework is not completed, an adult at home may sign your work, showing me that you worked hard until the time limit. You will earn 2 points for a completed homework OR a signature.

Write the reciprocal of the number.

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

2. 2

3. $1\frac{4}{5}$

4. $3\frac{6}{11}$

Find the quotient. Then check your answer.

5. $\frac{2}{9} \div \frac{1}{3}$

6. $\frac{3}{4} \div \frac{5}{8}$

7. $\frac{4}{9} \div \frac{9}{20}$

8. $\frac{2}{3} \div \frac{5}{18}$

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

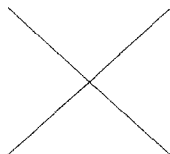
10. $9 \div 4\frac{2}{3}$

11. $6\frac{3}{4} \div 5\frac{1}{2}$

12. $3\frac{2}{5} \div 8$

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

14. Describe and correct the error in finding the quotient $\frac{4}{5} \div 3\frac{2}{3}$.



$$\frac{4}{5} \div 3\frac{2}{3} = \frac{4}{5} \div \frac{11}{3} = \frac{5}{4} \times \frac{11}{3} = 4\frac{7}{12}$$

Evaluate the expression when $x = \frac{3}{5}$ and $y = 8$.

15. $x \div y$

16. $y \div x$

17. $1\frac{1}{3} \div x$

Complete the statement using $<$, $>$, or $=$.

18. $\frac{1}{2} \div \frac{2}{5} \underline{\quad} 1$

19. $\frac{7}{8} \div \frac{1}{9} \underline{\quad} 1$

20. $1\frac{2}{5} \div 2\frac{1}{4} \underline{\quad} 1$

Use mental math to solve the equation.

21. $\frac{5}{a} \div 3 = \frac{5}{3}$

22. $\frac{b}{4} \div \frac{1}{8} = 6$

23. $\frac{2}{3} \div c = \frac{4}{3}$

24. You are cutting fabric for placemats that are to be $14\frac{1}{4}$ inches wide. If you have a piece of fabric that is 114 inches long, how many placemats can you cut from the fabric?
25. The largest and smallest sea urchins on record measured about $1\frac{1}{4}$ feet and $\frac{1}{50}$ foot long, respectively. How many times larger is the largest sea urchin?