

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.

1. $\frac{4}{9} \div \frac{1}{3}$

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

3. $\frac{5}{9} \div \frac{9}{25}$

4. $\frac{4}{5} \div \frac{15}{28}$

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

6. $10 \div 3\frac{4}{5}$

7. $7\frac{3}{4} \div 4\frac{2}{3}$

8. $4\frac{5}{9} \div 14$

9. $10\frac{4}{9} \div 3\frac{3}{7}$

Evaluate the expression when $x = \frac{4}{5}$ and $y = 6$.

10. $x \div y$

11. $y \div x$

12. $2\frac{1}{4} \div x$

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

13. $\frac{1}{4} \div \frac{2}{9} \text{ ? } 1$

14. $2\frac{2}{3} \div 2\frac{1}{5} \text{ ? } 1$

15. $5\frac{3}{7} \div 6\frac{1}{9} \text{ ? } 1$

Use mental math to solve the equation.

16. $\frac{6}{a} \div 5 = \frac{6}{5}$

17. $\frac{b}{6} \div \frac{1}{12} = 14$

18. $\frac{3}{4} \div c = \frac{9}{4}$

Evaluate the expression.

19. $\left(3\frac{3}{5} \div \frac{9}{10}\right) \div 1\frac{1}{3}$

20. $\left(3\frac{1}{3} - 2\frac{1}{2}\right) \div 2\frac{1}{12}$

21. $\left(1\frac{1}{3} + 2\frac{1}{4}\right) \div 1\frac{1}{4}$

22. You are cutting fabric for placemats that are to be $13\frac{3}{4}$ inches wide.

If you have a piece of fabric that is $82\frac{1}{2}$ inches long, how many placemats can you cut from the fabric?

23. The largest and smallest sea stars on record measured about $37\frac{4}{5}$ inches and $\frac{7}{10}$ inch long, respectively. How many times larger is the largest sea star?

24. Explain in your own words what steps you would take to find the quotient $3\frac{2}{5} \div \frac{5}{9}$.