Estimating Quotients

Estimate each product.

1. $37\frac{1}{3} \div 5\frac{7}{8} =$ _____

2. $25\frac{1}{2} \div 6\frac{1}{4} =$ _____

3. $49\frac{4}{5} \div 6\frac{1}{2} =$ _____

4. $12\frac{3}{4} \div 5\frac{5}{9} =$ _____

5. $43\frac{2}{3} \div 5\frac{2}{5} =$ _____

6. $8\frac{1}{3} \div 2\frac{9}{10} =$ _____

7. $67\frac{1}{5} \div 7\frac{2}{7} =$ _____

8. $55\frac{5}{9} \div 7\frac{1}{6} =$ _____

9. $19\frac{6}{7} \div 4\frac{1}{8} =$ _____

10. $71\frac{4}{5} \div 7\frac{8}{9} =$ _____

11. $15\frac{7}{10} \div 3\frac{4}{9} =$ _____

12. $79\frac{4}{7} \div 8\frac{5}{8} =$ _____

13. $26\frac{1}{4} \div 2\frac{3}{8} =$ _____

14. $40\frac{8}{9} \div 7\frac{3}{5} =$ _____

15. $58\frac{1}{3} \div 19\frac{5}{6} =$ _____

16. Number Sense Tran wants to cut strips of paper that are $2\frac{1}{4}$ in. wide. His sheet of paper is $11\frac{1}{2}$ in. wide. He estimates that $11\frac{1}{2} \div 2\frac{1}{4} = 6$, so he can cut 6 strips from each sheet of paper. Is his estimate an overestimate or an underestimate? Explain.

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17. Writing to Explain Eliza uses $2\frac{7}{8}$ feet of yarn in each gift basket she makes. Explain how to estimate how many baskets Eliza can make if she has 22 feet of yarn.
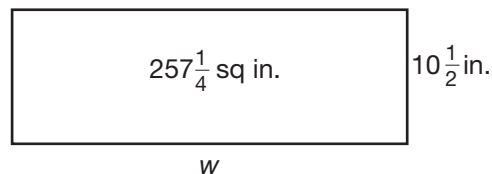
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18. Geometry The area of this rectangle is $257\frac{1}{4}$ sq in. What is the best estimate of side length w?

    A 66,000 in.

    B 50 in.

    C 25 in.

    D 5 in.

$257\frac{1}{4}$ sq in. $10\frac{1}{2}$ in.

w

19. Critical Thinking What estimation method did you use to find the length of side w in Problem 18?

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