

Estimating Products

Estimate each product.

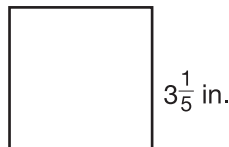
1. $4\frac{5}{8} \times \frac{1}{3} =$ _____
 2. $3 \times 2\frac{1}{5} =$ _____
 3. $\frac{6}{10} \times 5\frac{3}{4} =$ _____
 4. $2\frac{7}{9} \times 4\frac{2}{5} =$ _____
 5. $6\frac{1}{2} \times 2\frac{1}{3} =$ _____
 6. $\frac{7}{8} \times 2\frac{3}{8} =$ _____
 7. $38 \times \frac{3}{8} =$ _____
 8. $\frac{1}{4} \times 17 =$ _____
 9. $\frac{3}{5} \times 51 =$ _____
 10. $7\frac{4}{9} \times 5\frac{6}{7} =$ _____
 11. $\frac{12}{25} \times 8 =$ _____
 12. $11 \times \frac{1}{2} =$ _____
 13. $\frac{8}{9} \times 6\frac{4}{10} =$ _____
 14. $7\frac{1}{7} \times 2\frac{2}{3} =$ _____
 15. $\frac{5}{12} \times 13 =$ _____
16. Show three ways to estimate $\frac{3}{5} \times 5\frac{3}{4}$. Identify each method you use.
- _____
- _____
- _____

17. **Explain It** Mr. Simpson lives $11\frac{3}{10}$ miles from his office. He estimates that he commutes $11 \times 2 \times 5$, or 110 miles each week. Is his estimate an overestimate or an underestimate? Explain.
- _____
- _____

18. Which benchmark fraction could you use to estimate the product of $38 \times \frac{7}{12}$? _____

19. **Geometry** Which is the best estimate for the area of a square with sides equal to $3\frac{1}{5}$ inches?

- A 3 sq in.
- B 6 sq in.
- C 9 sq in.
- D 16 sq in.



20. Joyce and Marianne have money jars. Joyce has 54 dimes in her jar. Marianne has $\frac{9}{10}$ as many dimes as Joyce. Estimate the number of dimes that Marianne has in her jar.

- A 60 dimes
- B 45 dimes
- C 6 dimes
- D 5 dimes