



Determine the answer using estimation.

When multiplying a fraction and a whole number you can estimate the answer by remembering that the fraction is just part of a number.

$$5 \times 6 \frac{2}{3} =$$

In the example above, $6 \frac{2}{3}$ is larger than 6 but less than 7. So we know the answer is going to be between 5×6 and 5×7 .

$$5 \times 6 \frac{2}{3} = 33 \frac{1}{3}$$

The actual answer is $33 \frac{1}{3}$ which is between 5×6 (30) and 5×7 (35).

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

- 1) $4 \times 3 \frac{4}{9} =$ A. $11 \frac{7}{9}$ B. $18 \frac{7}{9}$ C. $13 \frac{7}{9}$ D. $17 \frac{7}{9}$
- 2) $9 \times 2 \frac{1}{10} =$ A. $16 \frac{1}{10}$ B. $29 \frac{1}{10}$ C. $17 \frac{9}{10}$ D. $18 \frac{9}{10}$
- 3) $8 \times 8 \frac{7}{10} =$ A. $62 \frac{6}{10}$ B. $69 \frac{6}{10}$ C. $73 \frac{7}{10}$ D. $75 \frac{6}{10}$
- 4) $6 \frac{3}{7} \times 9 =$ A. $72 \frac{6}{7}$ B. $45 \frac{6}{7}$ C. $64 \frac{6}{7}$ D. $57 \frac{6}{7}$
- 5) $8 \times 9 \frac{2}{7} =$ A. $81 \frac{2}{7}$ B. $64 \frac{2}{7}$ C. $74 \frac{2}{7}$ D. $69 \frac{2}{7}$
- 6) $7 \times 7 \frac{1}{6} =$ A. $50 \frac{1}{6}$ B. $59 \frac{1}{6}$ C. $48 \frac{1}{6}$ D. $57 \frac{1}{6}$
- 7) $4 \frac{4}{5} \times 2 =$ A. $12 \frac{3}{5}$ B. $9 \frac{3}{5}$ C. $11 \frac{3}{5}$ D. $6 \frac{3}{5}$
- 8) $7 \times 5 \frac{2}{5} =$ A. $44 \frac{4}{5}$ B. $28 \frac{4}{5}$ C. $32 \frac{4}{5}$ D. $37 \frac{4}{5}$
- 9) $9 \frac{1}{8} \times 2 =$ A. $23 \frac{1}{8}$ B. $15 \frac{1}{8}$ C. $21 \frac{2}{8}$ D. $18 \frac{2}{8}$
- 10) $4 \times 2 \frac{3}{8} =$ A. $16 \frac{4}{8}$ B. $9 \frac{4}{8}$ C. $14 \frac{4}{8}$ D. $13 \frac{3}{8}$
- 11) $4 \times 3 \frac{2}{6} =$ A. $13 \frac{2}{6}$ B. $9 \frac{2}{6}$ C. $17 \frac{2}{6}$ D. $8 \frac{2}{6}$
- 12) $9 \frac{2}{7} \times 6 =$ A. $48 \frac{5}{7}$ B. $53 \frac{5}{7}$ C. $55 \frac{5}{7}$ D. $62 \frac{5}{7}$



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Answers

1. **C**
2. **D**
3. **B**
4. **D**
5. **C**
6. **A**
7. **B**
8. **D**
9. **D**
10. **B**
11. **A**
12. **C**

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