

**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) $3 \frac{1}{4} \times 3 =$ A. $16 \frac{1}{4}$ B. $7 \frac{3}{4}$ C. $9 \frac{3}{4}$ D. $15 \frac{1}{4}$
- 2) $6 \times 7 \frac{5}{6} =$ A. $51 \frac{5}{6}$ B. 47 C. $52 \frac{5}{6}$ D. $40 \frac{5}{6}$
- 3) $6 \frac{1}{7} \times 8 =$ A. $40 \frac{1}{7}$ B. $49 \frac{1}{7}$ C. $45 \frac{1}{7}$ D. $46 \frac{1}{7}$
- 4) $4 \times 4 \frac{7}{10} =$ A. $24 \frac{8}{10}$ B. $18 \frac{8}{10}$ C. $22 \frac{7}{10}$ D. $12 \frac{8}{10}$
- 5) $6 \frac{3}{7} \times 8 =$ A. $58 \frac{3}{7}$ B. $45 \frac{3}{7}$ C. $46 \frac{3}{7}$ D. $51 \frac{3}{7}$
- 6) $2 \times 4 \frac{1}{3} =$ A. $6 \frac{2}{3}$ B. $4 \frac{2}{3}$ C. $12 \frac{2}{3}$ D. $8 \frac{2}{3}$
- 7) $3 \frac{3}{6} \times 2 =$ A. $11 \frac{3}{6}$ B. $2 \frac{3}{6}$ C. 7 D. 2
- 8) $4 \frac{6}{10} \times 9 =$ A. $33 \frac{4}{10}$ B. $41 \frac{4}{10}$ C. $47 \frac{4}{10}$ D. $48 \frac{6}{10}$
- 9) $3 \frac{1}{9} \times 9 =$ A. $39 \frac{1}{9}$ B. $40 \frac{1}{9}$ C. 28 D. 24
- 10) $6 \times 7 \frac{3}{4} =$ A. $38 \frac{2}{4}$ B. $46 \frac{2}{4}$ C. $36 \frac{2}{4}$ D. $50 \frac{2}{4}$

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