

**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) $3 \times 2 \frac{3}{7} =$ A. $11 \frac{3}{7}$ B. $13 \frac{3}{7}$ C. $7 \frac{2}{7}$ D. $3 \frac{3}{7}$
- 2) $6 \frac{4}{6} \times 4 =$ A. $26 \frac{4}{6}$ B. $21 \frac{4}{6}$ C. $30 \frac{4}{6}$ D. $22 \frac{4}{6}$
- 3) $2 \times 3 \frac{3}{6} =$ A. $2 \frac{3}{6}$ B. 11 C. $3 \frac{3}{6}$ D. 7
- 4) $5 \frac{9}{10} \times 4 =$ A. $27 \frac{6}{10}$ B. $28 \frac{9}{10}$ C. $16 \frac{9}{10}$ D. $23 \frac{6}{10}$
- 5) $9 \times 2 \frac{1}{6} =$ A. $30 \frac{3}{6}$ B. $19 \frac{3}{6}$ C. $30 \frac{1}{6}$ D. $36 \frac{3}{6}$
- 6) $6 \times 2 \frac{6}{8} =$ A. $10 \frac{6}{8}$ B. $22 \frac{6}{8}$ C. $24 \frac{4}{8}$ D. $16 \frac{4}{8}$
- 7) $3 \times 4 \frac{3}{4} =$ A. $9 \frac{3}{4}$ B. $9 \frac{1}{4}$ C. $14 \frac{1}{4}$ D. $19 \frac{1}{4}$
- 8) $6 \frac{5}{6} \times 6 =$ A. 41 B. $46 \frac{5}{6}$ C. 46 D. 33
- 9) $4 \times 7 \frac{8}{9} =$ A. $31 \frac{5}{9}$ B. $26 \frac{5}{9}$ C. $25 \frac{5}{9}$ D. $36 \frac{5}{9}$
- 10) $5 \frac{1}{6} \times 2 =$ A. $10 \frac{2}{6}$ B. $8 \frac{2}{6}$ C. $6 \frac{1}{6}$ D. $15 \frac{1}{6}$

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