



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) $8 \frac{2}{5} \times 3 =$ A. $21 \frac{1}{5}$ B. $20 \frac{1}{5}$ C. $25 \frac{1}{5}$ D. $30 \frac{2}{5}$

2) $4 \frac{2}{4} \times 2 =$ A. 9 B. $12 \frac{2}{4}$ C. 13 D. $14 \frac{2}{4}$

3) $2 \times 3 \frac{1}{2} =$ A. 3 B. 12 C. 7 D. 11

4) $8 \frac{3}{6} \times 5 =$ A. $47 \frac{3}{6}$ B. $50 \frac{3}{6}$ C. $42 \frac{3}{6}$ D. $37 \frac{3}{6}$

5) $8 \times 3 \frac{4}{5} =$ A. $30 \frac{2}{5}$ B. $35 \frac{2}{5}$ C. $35 \frac{4}{5}$ D. $40 \frac{2}{5}$

6) $9 \frac{4}{9} \times 7 =$ A. $72 \frac{1}{9}$ B. $72 \frac{4}{9}$ C. $56 \frac{1}{9}$ D. $66 \frac{1}{9}$

7) $9 \frac{2}{6} \times 3 =$ A. $25 \frac{2}{6}$ B. $33 \frac{2}{6}$ C. 28 D. 25

8) $6 \times 9 \frac{2}{5} =$ A. $64 \frac{2}{5}$ B. $56 \frac{2}{5}$ C. $51 \frac{2}{5}$ D. $66 \frac{2}{5}$

9) $8 \frac{3}{7} \times 8 =$ A. $61 \frac{3}{7}$ B. $60 \frac{3}{7}$ C. $67 \frac{3}{7}$ D. $62 \frac{3}{7}$

10) $4 \times 6 \frac{2}{9} =$ A. $21 \frac{2}{9}$ B. $30 \frac{2}{9}$ C. $24 \frac{8}{9}$ D. $22 \frac{2}{9}$



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10) $4 \times 6 \frac{2}{9} =$ A. $21 \frac{2}{9}$ B. $30 \frac{2}{9}$ C. $24 \frac{8}{9}$ D. $22 \frac{2}{9}$

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