



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) $7 \times 3 \frac{1}{3} =$ A. $23 \frac{1}{3}$ B. $32 \frac{1}{3}$ C. $17 \frac{1}{3}$ D. $30 \frac{1}{3}$

2) $7 \times 3 \frac{4}{7} =$ A. $17 \frac{4}{7}$ B. 25 C. 35 D. $32 \frac{4}{7}$

3) $2 \frac{9}{10} \times 3 =$ A. $11 \frac{7}{10}$ B. $3 \frac{7}{10}$ C. $2 \frac{7}{10}$ D. $8 \frac{7}{10}$

4) $6 \times 7 \frac{4}{7} =$ A. $45 \frac{3}{7}$ B. $54 \frac{3}{7}$ C. $50 \frac{3}{7}$ D. $39 \frac{4}{7}$

5) $2 \frac{1}{4} \times 8 =$ A. 18 B. $28 \frac{1}{4}$ C. $13 \frac{1}{4}$ D. 28

6) $9 \times 8 \frac{2}{7} =$ A. $85 \frac{4}{7}$ B. $68 \frac{4}{7}$ C. $74 \frac{4}{7}$ D. $90 \frac{4}{7}$

7) $8 \times 8 \frac{2}{3} =$ A. $61 \frac{2}{3}$ B. $69 \frac{1}{3}$ C. $75 \frac{1}{3}$ D. $74 \frac{1}{3}$

8) $7 \frac{1}{2} \times 7 =$ A. $63 \frac{1}{2}$ B. $52 \frac{1}{2}$ C. $46 \frac{1}{2}$ D. $47 \frac{1}{2}$

9) $2 \frac{2}{5} \times 3 =$ A. $3 \frac{1}{5}$ B. $7 \frac{1}{5}$ C. $2 \frac{1}{5}$ D. $11 \frac{2}{5}$

10) $8 \frac{8}{9} \times 6 =$ A. $56 \frac{3}{9}$ B. $44 \frac{3}{9}$ C. $57 \frac{3}{9}$ D. $53 \frac{3}{9}$



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1. **A**

2. **B**

3. **D**

4. **A**

5. **A**

6. **C**

7. **B**

8. **B**

9. **B**

10. **D**

11. **D**

12. **A**