



Determine the answer using estimation.

Answers

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).

1) $9 \frac{4}{10} \times 3 =$ A. $28 \frac{2}{10}$ B. $25 \frac{4}{10}$ C. $34 \frac{2}{10}$ D. $32 \frac{4}{10}$

2) $3 \times 7 \frac{4}{9} =$ A. $17 \frac{4}{9}$ B. $28 \frac{3}{9}$ C. $22 \frac{3}{9}$ D. $28 \frac{4}{9}$

3) $7 \times 3 \frac{1}{2} =$ A. $17 \frac{1}{2}$ B. $31 \frac{1}{2}$ C. $18 \frac{1}{2}$ D. $24 \frac{1}{2}$

4) $7 \times 2 \frac{5}{8} =$ A. $18 \frac{3}{8}$ B. $24 \frac{3}{8}$ C. $11 \frac{3}{8}$ D. $28 \frac{3}{8}$

5) $8 \times 3 \frac{4}{8} =$ A. 28 B. 21 C. 20 D. 34

6) $4 \times 4 \frac{4}{6} =$ A. $14 \frac{4}{6}$ B. $12 \frac{4}{6}$ C. $18 \frac{4}{6}$ D. $22 \frac{4}{6}$

7) $8 \times 4 \frac{4}{6} =$ A. $37 \frac{2}{6}$ B. $42 \frac{2}{6}$ C. $48 \frac{2}{6}$ D. $43 \frac{2}{6}$

8) $4 \frac{1}{2} \times 7 =$ A. $38 \frac{1}{2}$ B. $37 \frac{1}{2}$ C. $21 \frac{1}{2}$ D. $31 \frac{1}{2}$

9) $5 \times 5 \frac{6}{8} =$ A. $21 \frac{6}{8}$ B. $28 \frac{6}{8}$ C. $33 \frac{6}{8}$ D. $23 \frac{6}{8}$

10) $4 \times 5 \frac{1}{3} =$ A. $16 \frac{1}{3}$ B. $21 \frac{1}{3}$ C. $26 \frac{1}{3}$ D. $28 \frac{1}{3}$

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



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1. **A**

2. **C**

3. **D**

4. **A**

5. **A**

6. **C**

7. **A**

8. **D**

9. **B**

10. **B**

11. **A**

12. **B**