



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) $5 \times 9 \frac{6}{9} =$ A. $55 \frac{3}{9}$ B. $48 \frac{3}{9}$ C. $54 \frac{6}{9}$ D. $42 \frac{3}{9}$

2) $4 \times 3 \frac{1}{4} =$ A. $20 \frac{1}{4}$ B. 13 C. 9 D. 18

3) $4 \frac{1}{7} \times 7 =$ A. 29 B. 21 C. 26 D. 38

4) $3 \frac{4}{5} \times 3 =$ A. $15 \frac{2}{5}$ B. $5 \frac{2}{5}$ C. $11 \frac{2}{5}$ D. $16 \frac{4}{5}$

5) $3 \frac{1}{5} \times 3 =$ A. $6 \frac{1}{5}$ B. $9 \frac{3}{5}$ C. $7 \frac{1}{5}$ D. $7 \frac{3}{5}$

6) $6 \times 8 \frac{4}{9} =$ A. $60 \frac{6}{9}$ B. $45 \frac{6}{9}$ C. $50 \frac{6}{9}$ D. $56 \frac{4}{9}$

7) $7 \frac{7}{8} \times 2 =$ A. $15 \frac{6}{8}$ B. $11 \frac{7}{8}$ C. $20 \frac{6}{8}$ D. $19 \frac{7}{8}$

8) $3 \frac{1}{9} \times 7 =$ A. $31 \frac{7}{9}$ B. $19 \frac{7}{9}$ C. $21 \frac{7}{9}$ D. $17 \frac{1}{9}$

9) $9 \frac{6}{9} \times 5 =$ A. $52 \frac{6}{9}$ B. $48 \frac{3}{9}$ C. $53 \frac{6}{9}$ D. $42 \frac{3}{9}$

10) $2 \times 4 \frac{3}{4} =$ A. $13 \frac{3}{4}$ B. $14 \frac{2}{4}$ C. $9 \frac{2}{4}$ D. $12 \frac{3}{4}$

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



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1. **B**

2. **B**

3. **A**

4. **C**

5. **B**

6. **C**

7. **A**

8. **C**

9. **B**

10. **C**

11. **B**

12. **D**