



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) $5 \frac{3}{4} \times 6 =$ A. $27 \frac{3}{4}$ B. $40 \frac{3}{4}$ C. $38 \frac{3}{4}$ D. $34 \frac{2}{4}$

2) $9 \frac{1}{2} \times 7 =$ A. $59 \frac{1}{2}$ B. $73 \frac{1}{2}$ C. $60 \frac{1}{2}$ D. $66 \frac{1}{2}$

3) $4 \times 9 \frac{5}{7} =$ A. $38 \frac{6}{7}$ B. $34 \frac{5}{7}$ C. $42 \frac{5}{7}$ D. $44 \frac{6}{7}$

4) $8 \times 7 \frac{3}{6} =$ A. $68 \frac{3}{6}$ B. 72 C. 60 D. $67 \frac{3}{6}$

5) $7 \frac{3}{5} \times 4 =$ A. $34 \frac{2}{5}$ B. $36 \frac{3}{5}$ C. $34 \frac{3}{5}$ D. $30 \frac{2}{5}$

6) $7 \frac{1}{3} \times 6 =$ A. 44 B. $40 \frac{1}{3}$ C. 36 D. 54

7) $5 \frac{1}{8} \times 5 =$ A. $25 \frac{5}{8}$ B. $33 \frac{1}{8}$ C. $21 \frac{1}{8}$ D. $22 \frac{1}{8}$

8) $9 \times 9 \frac{5}{9} =$ A. $77 \frac{5}{9}$ B. 86 C. 93 D. 78

9) $4 \frac{5}{10} \times 8 =$ A. 36 B. $30 \frac{5}{10}$ C. 43 D. 24

10) $6 \times 6 \frac{8}{9} =$ A. $41 \frac{3}{9}$ B. $33 \frac{3}{9}$ C. $34 \frac{3}{9}$ D. $32 \frac{8}{9}$

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



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1. **D**

2. **D**

3. **A**

4. **C**

5. **D**

6. **A**

7. **A**

8. **B**

9. **A**

10. **A**

11. **A**

12. **D**