



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) $9 \frac{8}{9} \times 8 =$ A. $83 \frac{1}{9}$ B. $79 \frac{1}{9}$ C. $68 \frac{8}{9}$ D. $84 \frac{8}{9}$

2) $5 \frac{1}{4} \times 9 =$ A. $47 \frac{1}{4}$ B. $41 \frac{1}{4}$ C. $63 \frac{1}{4}$ D. $56 \frac{1}{4}$

3) $8 \times 7 \frac{6}{8} =$ A. 62 B. 68 C. 53 D. $53 \frac{6}{8}$

4) $8 \times 4 \frac{1}{2} =$ A. 42 B. 24 C. 36 D. $44 \frac{1}{2}$

5) $4 \frac{1}{4} \times 3 =$ A. $8 \frac{1}{4}$ B. $12 \frac{3}{4}$ C. $19 \frac{3}{4}$ D. $18 \frac{1}{4}$

6) $2 \times 7 \frac{5}{9} =$ A. $12 \frac{5}{9}$ B. $15 \frac{1}{9}$ C. $12 \frac{1}{9}$ D. $11 \frac{5}{9}$

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

8) $8 \frac{3}{7} \times 7 =$ A. 59 B. $54 \frac{3}{7}$ C. 67 D. 65

9) $4 \times 8 \frac{1}{3} =$ A. $33 \frac{1}{3}$ B. $39 \frac{1}{3}$ C. $40 \frac{1}{3}$ D. $38 \frac{1}{3}$

10) $6 \times 5 \frac{4}{10} =$ A. $42 \frac{4}{10}$ B. $38 \frac{4}{10}$ C. $40 \frac{4}{10}$ D. $32 \frac{4}{10}$

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



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