



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) $3 \frac{4}{6} \times 9 =$ A. 23 B. 33 C. 39 D. $39 \frac{4}{6}$
- 2) $3 \times 5 \frac{4}{7} =$ A. $21 \frac{5}{7}$ B. $21 \frac{4}{7}$ C. $11 \frac{5}{7}$ D. $16 \frac{5}{7}$
- 3) $3 \frac{1}{8} \times 8 =$ A. 25 B. $22 \frac{1}{8}$ C. 36 D. $35 \frac{1}{8}$
- 4) $6 \frac{2}{10} \times 7 =$ A. $43 \frac{4}{10}$ B. $52 \frac{2}{10}$ C. $39 \frac{2}{10}$ D. $53 \frac{4}{10}$
- 5) $2 \frac{1}{8} \times 7 =$ A. $25 \frac{1}{8}$ B. $23 \frac{1}{8}$ C. $14 \frac{7}{8}$ D. $11 \frac{7}{8}$
- 6) $7 \times 9 \frac{1}{2} =$ A. $66 \frac{1}{2}$ B. $60 \frac{1}{2}$ C. $77 \frac{1}{2}$ D. $61 \frac{1}{2}$
- 7) $9 \frac{1}{2} \times 7 =$ A. $61 \frac{1}{2}$ B. $77 \frac{1}{2}$ C. $60 \frac{1}{2}$ D. $66 \frac{1}{2}$
- 8) $6 \times 6 \frac{5}{10} =$ A. $44 \frac{5}{10}$ B. 30 C. 44 D. 39
- 9) $7 \frac{8}{9} \times 4 =$ A. $24 \frac{8}{9}$ B. $36 \frac{5}{9}$ C. $34 \frac{8}{9}$ D. $31 \frac{5}{9}$
- 10) $8 \frac{1}{6} \times 8 =$ A. $65 \frac{2}{6}$ B. $62 \frac{1}{6}$ C. $56 \frac{2}{6}$ D. $76 \frac{1}{6}$

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



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