



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) $2 \times 5 \frac{2}{9} =$ A. $10 \frac{4}{9}$ B. $8 \frac{4}{9}$ C. $13 \frac{4}{9}$ D. $7 \frac{2}{9}$
- 2) $9 \frac{1}{8} \times 3 =$ A. $31 \frac{3}{8}$ B. $27 \frac{3}{8}$ C. $33 \frac{3}{8}$ D. $24 \frac{1}{8}$
- 3) $2 \frac{1}{5} \times 5 =$ A. 8 B. 20 C. 7 D. 11
- 4) $8 \frac{3}{7} \times 7 =$ A. 59 B. $66 \frac{3}{7}$ C. 55 D. $53 \frac{3}{7}$
- 5) $4 \frac{6}{10} \times 4 =$ A. $14 \frac{4}{10}$ B. $13 \frac{4}{10}$ C. $18 \frac{4}{10}$ D. $22 \frac{4}{10}$
- 6) $9 \times 7 \frac{1}{3} =$ A. 66 B. 54 C. 61 D. 73
- 7) $3 \frac{1}{8} \times 9 =$ A. $45 \frac{1}{8}$ B. $28 \frac{1}{8}$ C. $26 \frac{1}{8}$ D. $37 \frac{1}{8}$
- 8) $5 \times 8 \frac{2}{4} =$ A. $46 \frac{2}{4}$ B. $35 \frac{2}{4}$ C. $48 \frac{2}{4}$ D. $42 \frac{2}{4}$
- 9) $9 \frac{4}{7} \times 9 =$ A. $72 \frac{1}{7}$ B. $79 \frac{1}{7}$ C. $86 \frac{1}{7}$ D. $92 \frac{1}{7}$
- 10) $7 \frac{7}{8} \times 3 =$ A. $23 \frac{5}{8}$ B. $27 \frac{7}{8}$ C. $18 \frac{5}{8}$ D. $19 \frac{5}{8}$
- 11) $8 \times 5 \frac{1}{2} =$ A. $37 \frac{1}{2}$ B. 44 C. 49 D. 32
- 12) $8 \times 4 \frac{4}{9} =$ A. $30 \frac{5}{9}$ B. $43 \frac{5}{9}$ C. $42 \frac{5}{9}$ D. $35 \frac{5}{9}$

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



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