

**Determine the answer using estimation.**

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).

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

1) $3 \times 6 \frac{1}{6} =$ A. $14 \frac{1}{2}$ B. $17 \frac{1}{6}$ C. $18 \frac{1}{2}$ D. $23 \frac{1}{2}$

2) $7 \times 2 \frac{3}{7} =$ A. $10 \frac{3}{7}$ B. $19 \frac{3}{7}$ C. 0 D. $17 \frac{3}{7}$

3) $8 \times 3 \frac{2}{6} =$ A. $16 \frac{2}{3}$ B. $26 \frac{2}{3}$ C. $22 \frac{1}{3}$ D. $40 \frac{2}{3}$

4) $7 \frac{4}{5} \times 4 =$ A. $36 \frac{1}{5}$ B. $31 \frac{1}{5}$ C. $26 \frac{4}{5}$ D. $36 \frac{1}{5}$

5) $3 \frac{4}{6} \times 6 =$ A. $14 \frac{2}{3}$ B. 0 C. $21 \frac{2}{3}$ D. $15 \frac{2}{3}$

6) $4 \times 7 \frac{2}{3} =$ A. $30 \frac{2}{3}$ B. $35 \frac{2}{3}$ C. $28 \frac{2}{3}$ D. $26 \frac{2}{3}$

7) $4 \frac{2}{7} \times 4 =$ A. $22 \frac{1}{7}$ B. $17 \frac{1}{7}$ C. $17 \frac{2}{7}$ D. $24 \frac{1}{7}$

8) $7 \frac{2}{9} \times 9 =$ A. $61 \frac{2}{9}$ B. 0 C. $59 \frac{2}{9}$ D. $69 \frac{2}{9}$

9) $9 \times 5 \frac{3}{5} =$ A. $42 \frac{2}{5}$ B. $52 \frac{3}{5}$ C. $50 \frac{2}{5}$ D. $50 \frac{3}{5}$

10) $5 \times 3 \frac{2}{4} =$ A. $23 \frac{1}{2}$ B. $12 \frac{1}{2}$ C. $17 \frac{1}{2}$ D. $13 \frac{1}{2}$



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1. **C**

2. **C**

3. **B**

4. **B**

5. **B**

6. **A**

7. **B**

8. **B**

9. **C**

10. **C**

11. **D**

12. **B**