



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) $5 \times 2 \frac{2}{4} =$ A. $8 \frac{2}{4}$ B. $6 \frac{2}{4}$ C. $18 \frac{2}{4}$ D. $12 \frac{2}{4}$

2) $3 \frac{2}{3} \times 7 =$ A. $25 \frac{2}{3}$ B. $31 \frac{2}{3}$ C. $18 \frac{2}{3}$ D. $35 \frac{2}{3}$

3) $7 \frac{1}{5} \times 6 =$ A. $40 \frac{1}{5}$ B. $43 \frac{1}{5}$ C. $50 \frac{1}{5}$ D. $36 \frac{1}{5}$

4) $3 \times 4 \frac{2}{6} =$ A. 8 B. 13 C. 18 D. 10

5) $2 \times 6 \frac{5}{8} =$ A. $13 \frac{2}{8}$ B. $9 \frac{2}{8}$ C. $16 \frac{2}{8}$ D. $8 \frac{5}{8}$

6) $4 \frac{2}{3} \times 5 =$ A. $23 \frac{1}{3}$ B. $17 \frac{2}{3}$ C. $28 \frac{1}{3}$ D. $18 \frac{1}{3}$

7) $9 \times 8 \frac{4}{9} =$ A. 76 B. $85 \frac{4}{9}$ C. $69 \frac{4}{9}$ D. 90

8) $7 \frac{2}{4} \times 9 =$ A. $81 \frac{2}{4}$ B. $74 \frac{2}{4}$ C. $75 \frac{2}{4}$ D. $67 \frac{2}{4}$

9) $2 \times 9 \frac{1}{6} =$ A. $18 \frac{2}{6}$ B. $14 \frac{1}{6}$ C. $23 \frac{1}{6}$ D. $22 \frac{2}{6}$

10) $2 \times 3 \frac{6}{8} =$ A. $7 \frac{4}{8}$ B. $10 \frac{6}{8}$ C. $10 \frac{4}{8}$ D. $3 \frac{4}{8}$



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1. **D**

2. **A**

3. **B**

4. **B**

5. **A**

6. **A**

7. **A**

8. **D**

9. **A**

10. **A**

11. **D**

12. **B**