



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) $8 \times 6 \frac{2}{3} =$ A. $53 \frac{1}{3}$ B. $46 \frac{2}{3}$ C. $44 \frac{2}{3}$ D. $64 \frac{1}{3}$

2) $2 \frac{5}{9} \times 6 =$ A. $15 \frac{3}{9}$ B. $22 \frac{5}{9}$ C. $24 \frac{3}{9}$ D. $20 \frac{5}{9}$

3) $7 \frac{5}{6} \times 5 =$ A. $39 \frac{1}{6}$ B. $32 \frac{1}{6}$ C. $43 \frac{1}{6}$ D. $44 \frac{1}{6}$

4) $5 \times 4 \frac{4}{7} =$ A. $17 \frac{4}{7}$ B. $15 \frac{6}{7}$ C. $22 \frac{6}{7}$ D. $28 \frac{4}{7}$

5) $3 \times 6 \frac{2}{3} =$ A. 20 B. $25 \frac{2}{3}$ C. $24 \frac{2}{3}$ D. 24

6) $4 \times 7 \frac{4}{5} =$ A. $26 \frac{4}{5}$ B. $34 \frac{4}{5}$ C. $31 \frac{1}{5}$ D. $34 \frac{1}{5}$

7) $6 \frac{3}{7} \times 2 =$ A. $12 \frac{6}{7}$ B. $16 \frac{6}{7}$ C. $17 \frac{3}{7}$ D. $8 \frac{3}{7}$

8) $6 \times 2 \frac{2}{3} =$ A. 8 B. 22 C. $20 \frac{2}{3}$ D. 16

9) $7 \frac{5}{6} \times 7 =$ A. $42 \frac{5}{6}$ B. $63 \frac{5}{6}$ C. $59 \frac{5}{6}$ D. $54 \frac{5}{6}$

10) $8 \times 3 \frac{3}{9} =$ A. $16 \frac{6}{9}$ B. $34 \frac{3}{9}$ C. $22 \frac{3}{9}$ D. $26 \frac{6}{9}$



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1. **A**

2. **A**

3. **A**

4. **C**

5. **A**

6. **C**

7. **A**

8. **D**

9. **D**

10. **D**

11. **A**

12. **B**