



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) $3 \frac{2}{4} \times 7 =$ A. $14 \frac{2}{4}$ B. $17 \frac{2}{4}$ C. $24 \frac{2}{4}$ D. $32 \frac{2}{4}$

2) $6 \times 7 \frac{2}{4} =$ A. 45 B. 38 C. $40 \frac{2}{4}$ D. 50

3) $3 \frac{1}{2} \times 4 =$ A. 10 B. 14 C. $10 \frac{1}{2}$ D. 9

4) $4 \frac{2}{7} \times 9 =$ A. $38 \frac{4}{7}$ B. $33 \frac{2}{7}$ C. $27 \frac{4}{7}$ D. $34 \frac{2}{7}$

5) $9 \frac{1}{2} \times 6 =$ A. $51 \frac{1}{2}$ B. 57 C. $64 \frac{1}{2}$ D. $63 \frac{1}{2}$

6) $6 \frac{2}{6} \times 3 =$ A. 19 B. 24 C. $15 \frac{2}{6}$ D. 23

7) $8 \frac{1}{5} \times 5 =$ A. 41 B. 50 C. $36 \frac{1}{5}$ D. 36

8) $2 \frac{1}{2} \times 7 =$ A. $17 \frac{1}{2}$ B. $25 \frac{1}{2}$ C. $23 \frac{1}{2}$ D. $10 \frac{1}{2}$

9) $5 \times 3 \frac{3}{4} =$ A. $12 \frac{3}{4}$ B. $18 \frac{3}{4}$ C. $11 \frac{3}{4}$ D. $22 \frac{3}{4}$

10) $2 \times 3 \frac{6}{8} =$ A. $11 \frac{6}{8}$ B. $7 \frac{4}{8}$ C. $10 \frac{6}{8}$ D. $11 \frac{4}{8}$



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1. **C**

2. **A**

3. **B**

4. **A**

5. **B**

6. **A**

7. **A**

8. **A**

9. **B**

10. **B**

11. **A**

12. **B**