



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. $35 \frac{5}{9}$

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



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$$5 \times 6 \frac{2}{3} = 33 \frac{1}{3}$$

The actual answer is $33 \frac{1}{3}$ which is between 5×6 (30) and 5×7 (35).

- 1) $5 \frac{5}{8} \times 9 =$ A. $44 \frac{5}{8}$ B. $50 \frac{5}{8}$ C. $36 \frac{5}{8}$ D. $57 \frac{5}{8}$
- 2) $6 \frac{2}{6} \times 5 =$ A. $31 \frac{4}{6}$ B. $40 \frac{4}{6}$ C. $28 \frac{4}{6}$ D. $29 \frac{2}{6}$
- 3) $3 \frac{2}{5} \times 4 =$ A. $9 \frac{3}{5}$ B. $10 \frac{3}{5}$ C. $13 \frac{3}{5}$ D. $8 \frac{3}{5}$
- 4) $4 \times 3 \frac{4}{9} =$ A. $9 \frac{7}{9}$ B. $13 \frac{7}{9}$ C. $17 \frac{7}{9}$ D. $20 \frac{7}{9}$
- 5) $6 \times 9 \frac{5}{7} =$ A. $58 \frac{2}{7}$ B. $48 \frac{2}{7}$ C. $61 \frac{2}{7}$ D. $51 \frac{2}{7}$
- 6) $7 \frac{4}{5} \times 7 =$ A. $54 \frac{3}{5}$ B. $57 \frac{3}{5}$ C. $42 \frac{3}{5}$ D. $63 \frac{3}{5}$
- 7) $5 \times 5 \frac{3}{6} =$ A. $32 \frac{3}{6}$ B. $35 \frac{3}{6}$ C. $27 \frac{3}{6}$ D. $33 \frac{3}{6}$
- 8) $9 \times 6 \frac{3}{4} =$ A. $51 \frac{3}{4}$ B. $45 \frac{3}{4}$ C. $60 \frac{3}{4}$ D. $64 \frac{3}{4}$
- 9) $9 \frac{2}{3} \times 2 =$ A. $21 \frac{1}{3}$ B. $19 \frac{1}{3}$ C. $17 \frac{1}{3}$ D. $15 \frac{2}{3}$
- 10) $8 \times 8 \frac{1}{3} =$ A. $61 \frac{2}{3}$ B. $75 \frac{2}{3}$ C. $56 \frac{2}{3}$ D. $66 \frac{2}{3}$
- 11) $3 \frac{1}{2} \times 3 =$ A. $14 \frac{1}{2}$ B. $8 \frac{1}{2}$ C. $10 \frac{1}{2}$ D. $15 \frac{1}{2}$
- 12) $6 \times 6 \frac{6}{8} =$ A. $45 \frac{6}{8}$ B. $40 \frac{4}{8}$ C. $33 \frac{6}{8}$ D. $44 \frac{4}{8}$

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- 1) $5 \frac{5}{8} \times 9 =$ A. $44 \frac{5}{8}$ B. $50 \frac{5}{8}$ C. $36 \frac{5}{8}$ D. $57 \frac{5}{8}$
- 2) $6 \frac{2}{6} \times 5 =$ A. $31 \frac{4}{6}$ B. $40 \frac{4}{6}$ C. $28 \frac{4}{6}$ D. $29 \frac{2}{6}$
- 3) $3 \frac{2}{5} \times 4 =$ A. $9 \frac{3}{5}$ B. $10 \frac{3}{5}$ C. $13 \frac{3}{5}$ D. $8 \frac{3}{5}$
- 4) $4 \times 3 \frac{4}{9} =$ A. $9 \frac{7}{9}$ B. $13 \frac{7}{9}$ C. $17 \frac{7}{9}$ D. $20 \frac{7}{9}$
- 5) $6 \times 9 \frac{5}{7} =$ A. $58 \frac{2}{7}$ B. $48 \frac{2}{7}$ C. $61 \frac{2}{7}$ D. $51 \frac{2}{7}$
- 6) $7 \frac{4}{5} \times 7 =$ A. $54 \frac{3}{5}$ B. $57 \frac{3}{5}$ C. $42 \frac{3}{5}$ D. $63 \frac{3}{5}$
- 7) $5 \times 5 \frac{3}{6} =$ A. $32 \frac{3}{6}$ B. $35 \frac{3}{6}$ C. $27 \frac{3}{6}$ D. $33 \frac{3}{6}$
- 8) $9 \times 6 \frac{3}{4} =$ A. $51 \frac{3}{4}$ B. $45 \frac{3}{4}$ C. $60 \frac{3}{4}$ D. $64 \frac{3}{4}$
- 9) $9 \frac{2}{3} \times 2 =$ A. $21 \frac{1}{3}$ B. $19 \frac{1}{3}$ C. $17 \frac{1}{3}$ D. $15 \frac{2}{3}$
- 10) $8 \times 8 \frac{1}{3} =$ A. $61 \frac{2}{3}$ B. $75 \frac{2}{3}$ C. $56 \frac{2}{3}$ D. $66 \frac{2}{3}$
- 11) $3 \frac{1}{2} \times 3 =$ A. $14 \frac{1}{2}$ B. $8 \frac{1}{2}$ C. $10 \frac{1}{2}$ D. $15 \frac{1}{2}$
- 12) $6 \times 6 \frac{6}{8} =$ A. $45 \frac{6}{8}$ B. $40 \frac{4}{8}$ C. $33 \frac{6}{8}$ D. $44 \frac{4}{8}$

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



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$$5 \times 6 \frac{2}{3} = 33 \frac{1}{3}$$

The actual answer is $33 \frac{1}{3}$ which is between 5×6 (30) and 5×7 (35).

1) $9 \times 3 \frac{5}{10} =$ A. $24 \frac{5}{10}$ B. $26 \frac{5}{10}$ C. $31 \frac{5}{10}$ D. $45 \frac{5}{10}$

2) $4 \frac{6}{7} \times 7 =$ A. 34 B. 38 C. 25 D. 37

3) $6 \frac{4}{9} \times 2 =$ A. $12 \frac{8}{9}$ B. $11 \frac{8}{9}$ C. $10 \frac{4}{9}$ D. $9 \frac{8}{9}$

4) $6 \times 6 \frac{7}{8} =$ A. $33 \frac{2}{8}$ B. $44 \frac{2}{8}$ C. $48 \frac{2}{8}$ D. $41 \frac{2}{8}$

5) $4 \frac{1}{8} \times 6 =$ A. $24 \frac{6}{8}$ B. $23 \frac{6}{8}$ C. $36 \frac{6}{8}$ D. $32 \frac{1}{8}$

6) $7 \frac{1}{2} \times 5 =$ A. $43 \frac{1}{2}$ B. $37 \frac{1}{2}$ C. $34 \frac{1}{2}$ D. $30 \frac{1}{2}$

7) $3 \times 8 \frac{6}{8} =$ A. $22 \frac{2}{8}$ B. $30 \frac{6}{8}$ C. $23 \frac{2}{8}$ D. $26 \frac{2}{8}$

8) $6 \frac{4}{7} \times 7 =$ A. 52 B. 41 C. 46 D. $40 \frac{4}{7}$

9) $3 \frac{2}{5} \times 7 =$ A. $23 \frac{4}{5}$ B. $35 \frac{4}{5}$ C. $19 \frac{4}{5}$ D. $30 \frac{4}{5}$

10) $3 \frac{3}{6} \times 9 =$ A. $31 \frac{3}{6}$ B. $26 \frac{3}{6}$ C. $24 \frac{3}{6}$ D. $45 \frac{3}{6}$

11) $7 \frac{5}{10} \times 7 =$ A. $42 \frac{5}{10}$ B. $48 \frac{5}{10}$ C. $47 \frac{5}{10}$ D. $52 \frac{5}{10}$

12) $9 \times 2 \frac{1}{3} =$ A. $17 \frac{1}{3}$ B. 9 C. $28 \frac{1}{3}$ D. 21

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- 2) $4 \frac{6}{7} \times 7 =$ A. 34 B. 38 C. 25 D. 37
- 3) $6 \frac{4}{9} \times 2 =$ A. $12 \frac{8}{9}$ B. $11 \frac{8}{9}$ C. $10 \frac{4}{9}$ D. $9 \frac{8}{9}$
- 4) $6 \times 6 \frac{7}{8} =$ A. $33 \frac{2}{8}$ B. $44 \frac{2}{8}$ C. $48 \frac{2}{8}$ D. $41 \frac{2}{8}$
- 5) $4 \frac{1}{8} \times 6 =$ A. $24 \frac{6}{8}$ B. $23 \frac{6}{8}$ C. $36 \frac{6}{8}$ D. $32 \frac{1}{8}$
- 6) $7 \frac{1}{2} \times 5 =$ A. $43 \frac{1}{2}$ B. $37 \frac{1}{2}$ C. $34 \frac{1}{2}$ D. $30 \frac{1}{2}$
- 7) $3 \times 8 \frac{6}{8} =$ A. $22 \frac{2}{8}$ B. $30 \frac{6}{8}$ C. $23 \frac{2}{8}$ D. $26 \frac{2}{8}$
- 8) $6 \frac{4}{7} \times 7 =$ A. 52 B. 41 C. 46 D. $40 \frac{4}{7}$
- 9) $3 \frac{2}{5} \times 7 =$ A. $23 \frac{4}{5}$ B. $35 \frac{4}{5}$ C. $19 \frac{4}{5}$ D. $30 \frac{4}{5}$
- 10) $3 \frac{3}{6} \times 9 =$ A. $31 \frac{3}{6}$ B. $26 \frac{3}{6}$ C. $24 \frac{3}{6}$ D. $45 \frac{3}{6}$
- 11) $7 \frac{5}{10} \times 7 =$ A. $42 \frac{5}{10}$ B. $48 \frac{5}{10}$ C. $47 \frac{5}{10}$ D. $52 \frac{5}{10}$
- 12) $9 \times 2 \frac{1}{3} =$ A. $17 \frac{1}{3}$ B. 9 C. $28 \frac{1}{3}$ D. 21

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



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The actual answer is $33 \frac{1}{3}$ which is between 5×6 (30) and 5×7 (35).

- 1) $7 \times 9 \frac{3}{5} =$ A. $56 \frac{1}{5}$ B. $62 \frac{1}{5}$ C. $67 \frac{1}{5}$ D. $73 \frac{1}{5}$
- 2) $4 \frac{5}{9} \times 7 =$ A. $37 \frac{5}{9}$ B. $31 \frac{8}{9}$ C. $21 \frac{8}{9}$ D. $38 \frac{8}{9}$
- 3) $2 \times 7 \frac{6}{10} =$ A. $13 \frac{6}{10}$ B. $17 \frac{6}{10}$ C. $15 \frac{2}{10}$ D. $18 \frac{2}{10}$
- 4) $5 \times 3 \frac{2}{3} =$ A. $14 \frac{1}{3}$ B. $22 \frac{2}{3}$ C. $10 \frac{1}{3}$ D. $18 \frac{1}{3}$
- 5) $9 \times 6 \frac{8}{10} =$ A. $53 \frac{8}{10}$ B. $52 \frac{2}{10}$ C. $61 \frac{2}{10}$ D. $51 \frac{2}{10}$
- 6) $9 \frac{3}{9} \times 8 =$ A. $69 \frac{6}{9}$ B. $64 \frac{6}{9}$ C. $71 \frac{6}{9}$ D. $74 \frac{6}{9}$
- 7) $8 \times 9 \frac{2}{3} =$ A. $64 \frac{1}{3}$ B. $82 \frac{1}{3}$ C. $77 \frac{1}{3}$ D. $69 \frac{2}{3}$
- 8) $2 \frac{2}{8} \times 8 =$ A. $15 \frac{2}{8}$ B. 13 C. 18 D. 26
- 9) $7 \frac{4}{9} \times 6 =$ A. $51 \frac{6}{9}$ B. $39 \frac{6}{9}$ C. $54 \frac{6}{9}$ D. $44 \frac{6}{9}$
- 10) $8 \times 5 \frac{4}{5} =$ A. $32 \frac{2}{5}$ B. $46 \frac{2}{5}$ C. $56 \frac{2}{5}$ D. $37 \frac{4}{5}$
- 11) $5 \frac{2}{8} \times 5 =$ A. $35 \frac{2}{8}$ B. $26 \frac{2}{8}$ C. $23 \frac{2}{8}$ D. $32 \frac{2}{8}$
- 12) $4 \frac{7}{9} \times 2 =$ A. $11 \frac{5}{9}$ B. $9 \frac{5}{9}$ C. $6 \frac{5}{9}$ D. $5 \frac{5}{9}$

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- 3) $2 \times 7 \frac{6}{10} =$ A. $13 \frac{6}{10}$ B. $17 \frac{6}{10}$ C. $15 \frac{2}{10}$ D. $18 \frac{2}{10}$
- 4) $5 \times 3 \frac{2}{3} =$ A. $14 \frac{1}{3}$ B. $22 \frac{2}{3}$ C. $10 \frac{1}{3}$ D. $18 \frac{1}{3}$
- 5) $9 \times 6 \frac{8}{10} =$ A. $53 \frac{8}{10}$ B. $52 \frac{2}{10}$ C. $61 \frac{2}{10}$ D. $51 \frac{2}{10}$
- 6) $9 \frac{3}{9} \times 8 =$ A. $69 \frac{6}{9}$ B. $64 \frac{6}{9}$ C. $71 \frac{6}{9}$ D. $74 \frac{6}{9}$
- 7) $8 \times 9 \frac{2}{3} =$ A. $64 \frac{1}{3}$ B. $82 \frac{1}{3}$ C. $77 \frac{1}{3}$ D. $69 \frac{2}{3}$
- 8) $2 \frac{2}{8} \times 8 =$ A. $15 \frac{2}{8}$ B. 13 C. 18 D. 26
- 9) $7 \frac{4}{9} \times 6 =$ A. $51 \frac{6}{9}$ B. $39 \frac{6}{9}$ C. $54 \frac{6}{9}$ D. $44 \frac{6}{9}$
- 10) $8 \times 5 \frac{4}{5} =$ A. $32 \frac{2}{5}$ B. $46 \frac{2}{5}$ C. $56 \frac{2}{5}$ D. $37 \frac{4}{5}$
- 11) $5 \frac{2}{8} \times 5 =$ A. $35 \frac{2}{8}$ B. $26 \frac{2}{8}$ C. $23 \frac{2}{8}$ D. $32 \frac{2}{8}$
- 12) $4 \frac{7}{9} \times 2 =$ A. $11 \frac{5}{9}$ B. $9 \frac{5}{9}$ C. $6 \frac{5}{9}$ D. $5 \frac{5}{9}$

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



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2) $9 \times 7 \frac{3}{4} =$ A. $60 \frac{3}{4}$ B. $69 \frac{3}{4}$ C. $73 \frac{3}{4}$ D. $62 \frac{3}{4}$

3) $3 \times 7 \frac{3}{8} =$ A. $27 \frac{1}{8}$ B. $22 \frac{1}{8}$ C. $19 \frac{1}{8}$ D. $26 \frac{1}{8}$

4) $7 \frac{1}{9} \times 7 =$ A. $57 \frac{1}{9}$ B. $59 \frac{7}{9}$ C. $49 \frac{7}{9}$ D. $47 \frac{7}{9}$

5) $8 \times 6 \frac{1}{2} =$ A. 52 B. 47 C. $58 \frac{1}{2}$ D. 45

6) $8 \frac{2}{4} \times 3 =$ A. $28 \frac{2}{4}$ B. $29 \frac{2}{4}$ C. $23 \frac{2}{4}$ D. $25 \frac{2}{4}$

7) $4 \times 9 \frac{6}{8} =$ A. 41 B. 35 C. 39 D. $33 \frac{6}{8}$

8) $7 \times 2 \frac{4}{10} =$ A. $28 \frac{8}{10}$ B. $11 \frac{4}{10}$ C. $13 \frac{8}{10}$ D. $16 \frac{8}{10}$

9) $2 \times 8 \frac{4}{5} =$ A. $17 \frac{3}{5}$ B. $21 \frac{4}{5}$ C. $13 \frac{4}{5}$ D. $15 \frac{3}{5}$

10) $7 \times 4 \frac{1}{3} =$ A. $26 \frac{1}{3}$ B. $37 \frac{1}{3}$ C. $30 \frac{1}{3}$ D. $42 \frac{1}{3}$

11) $3 \times 2 \frac{6}{7} =$ A. $12 \frac{6}{7}$ B. $3 \frac{6}{7}$ C. $8 \frac{4}{7}$ D. $10 \frac{4}{7}$

12) $9 \times 6 \frac{2}{4} =$ A. $58 \frac{2}{4}$ B. $65 \frac{2}{4}$ C. $52 \frac{2}{4}$ D. $72 \frac{2}{4}$

1. _____
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12. _____



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) $9 \frac{1}{8} \times 7 =$ | A. $72 \frac{7}{8}$ | B. $71 \frac{1}{8}$ | C. $73 \frac{7}{8}$ | D. $63 \frac{7}{8}$ | 1. <u> D </u> |
| 2) $9 \times 7 \frac{3}{4} =$ | A. $60 \frac{3}{4}$ | B. $69 \frac{3}{4}$ | C. $73 \frac{3}{4}$ | D. $62 \frac{3}{4}$ | 2. <u> B </u> |
| 3) $3 \times 7 \frac{3}{8} =$ | A. $27 \frac{1}{8}$ | B. $22 \frac{1}{8}$ | C. $19 \frac{1}{8}$ | D. $26 \frac{1}{8}$ | 3. <u> B </u> |
| 4) $7 \frac{1}{9} \times 7 =$ | A. $57 \frac{1}{9}$ | B. $59 \frac{7}{9}$ | C. $49 \frac{7}{9}$ | D. $47 \frac{7}{9}$ | 4. <u> C </u> |
| 5) $8 \times 6 \frac{1}{2} =$ | A. 52 | B. 47 | C. $58 \frac{1}{2}$ | D. 45 | 5. <u> A </u> |
| 6) $8 \frac{2}{4} \times 3 =$ | A. $28 \frac{2}{4}$ | B. $29 \frac{2}{4}$ | C. $23 \frac{2}{4}$ | D. $25 \frac{2}{4}$ | 6. <u> D </u> |
| 7) $4 \times 9 \frac{6}{8} =$ | A. 41 | B. 35 | C. 39 | D. $33 \frac{6}{8}$ | 7. <u> C </u> |
| 8) $7 \times 2 \frac{4}{10} =$ | A. $28 \frac{8}{10}$ | B. $11 \frac{4}{10}$ | C. $13 \frac{8}{10}$ | D. $16 \frac{8}{10}$ | 8. <u> D </u> |
| 9) $2 \times 8 \frac{4}{5} =$ | A. $17 \frac{3}{5}$ | B. $21 \frac{4}{5}$ | C. $13 \frac{4}{5}$ | D. $15 \frac{3}{5}$ | 9. <u> A </u> |
| 10) $7 \times 4 \frac{1}{3} =$ | A. $26 \frac{1}{3}$ | B. $37 \frac{1}{3}$ | C. $30 \frac{1}{3}$ | D. $42 \frac{1}{3}$ | 10. <u> C </u> |
| 11) $3 \times 2 \frac{6}{7} =$ | A. $12 \frac{6}{7}$ | B. $3 \frac{6}{7}$ | C. $8 \frac{4}{7}$ | D. $10 \frac{4}{7}$ | 11. <u> C </u> |
| 12) $9 \times 6 \frac{2}{4} =$ | A. $58 \frac{2}{4}$ | B. $65 \frac{2}{4}$ | C. $52 \frac{2}{4}$ | D. $72 \frac{2}{4}$ | 12. <u> A </u> |



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) $2 \frac{1}{10} \times 6 =$ A. $12 \frac{6}{10}$ B. $6 \frac{6}{10}$ C. $10 \frac{6}{10}$ D. $19 \frac{6}{10}$
- 2) $4 \frac{3}{5} \times 6 =$ A. $32 \frac{3}{5}$ B. $18 \frac{3}{5}$ C. $33 \frac{3}{5}$ D. $27 \frac{3}{5}$
- 3) $2 \frac{5}{6} \times 4 =$ A. $16 \frac{2}{6}$ B. $4 \frac{2}{6}$ C. $11 \frac{2}{6}$ D. $5 \frac{2}{6}$
- 4) $3 \times 7 \frac{2}{3} =$ A. 19 B. 26 C. 27 D. 23
- 5) $7 \frac{7}{10} \times 8 =$ A. $61 \frac{6}{10}$ B. $48 \frac{6}{10}$ C. $55 \frac{6}{10}$ D. $53 \frac{6}{10}$
- 6) $4 \times 6 \frac{1}{10} =$ A. $24 \frac{4}{10}$ B. $32 \frac{4}{10}$ C. $29 \frac{4}{10}$ D. $30 \frac{4}{10}$
- 7) $3 \frac{1}{2} \times 4 =$ A. 14 B. 19 C. 18 D. $17 \frac{1}{2}$
- 8) $5 \frac{1}{2} \times 3 =$ A. $16 \frac{1}{2}$ B. $13 \frac{1}{2}$ C. $19 \frac{1}{2}$ D. $12 \frac{1}{2}$
- 9) $2 \frac{1}{2} \times 4 =$ A. 14 B. 6 C. 5 D. 10
- 10) $4 \times 2 \frac{3}{8} =$ A. $14 \frac{3}{8}$ B. $16 \frac{4}{8}$ C. $5 \frac{4}{8}$ D. $9 \frac{4}{8}$
- 11) $3 \frac{1}{4} \times 3 =$ A. $8 \frac{3}{4}$ B. $9 \frac{3}{4}$ C. $7 \frac{3}{4}$ D. $14 \frac{3}{4}$
- 12) $8 \frac{3}{4} \times 3 =$ A. $28 \frac{1}{4}$ B. $23 \frac{1}{4}$ C. $21 \frac{1}{4}$ D. $26 \frac{1}{4}$

1. _____
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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) $2 \frac{1}{10} \times 6 =$ A. $12 \frac{6}{10}$ B. $6 \frac{6}{10}$ C. $10 \frac{6}{10}$ D. $19 \frac{6}{10}$
- 2) $4 \frac{3}{5} \times 6 =$ A. $32 \frac{3}{5}$ B. $18 \frac{3}{5}$ C. $33 \frac{3}{5}$ D. $27 \frac{3}{5}$
- 3) $2 \frac{5}{6} \times 4 =$ A. $16 \frac{2}{6}$ B. $4 \frac{2}{6}$ C. $11 \frac{2}{6}$ D. $5 \frac{2}{6}$
- 4) $3 \times 7 \frac{2}{3} =$ A. 19 B. 26 C. 27 D. 23
- 5) $7 \frac{7}{10} \times 8 =$ A. $61 \frac{6}{10}$ B. $48 \frac{6}{10}$ C. $55 \frac{6}{10}$ D. $53 \frac{6}{10}$
- 6) $4 \times 6 \frac{1}{10} =$ A. $24 \frac{4}{10}$ B. $32 \frac{4}{10}$ C. $29 \frac{4}{10}$ D. $30 \frac{4}{10}$
- 7) $3 \frac{1}{2} \times 4 =$ A. 14 B. 19 C. 18 D. $17 \frac{1}{2}$
- 8) $5 \frac{1}{2} \times 3 =$ A. $16 \frac{1}{2}$ B. $13 \frac{1}{2}$ C. $19 \frac{1}{2}$ D. $12 \frac{1}{2}$
- 9) $2 \frac{1}{2} \times 4 =$ A. 14 B. 6 C. 5 D. 10
- 10) $4 \times 2 \frac{3}{8} =$ A. $14 \frac{3}{8}$ B. $16 \frac{4}{8}$ C. $5 \frac{4}{8}$ D. $9 \frac{4}{8}$
- 11) $3 \frac{1}{4} \times 3 =$ A. $8 \frac{3}{4}$ B. $9 \frac{3}{4}$ C. $7 \frac{3}{4}$ D. $14 \frac{3}{4}$
- 12) $8 \frac{3}{4} \times 3 =$ A. $28 \frac{1}{4}$ B. $23 \frac{1}{4}$ C. $21 \frac{1}{4}$ D. $26 \frac{1}{4}$

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



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) $8 \times 4 \frac{4}{10} =$ | A. $35 \frac{2}{10}$ | B. $24 \frac{2}{10}$ | C. $42 \frac{4}{10}$ | D. $43 \frac{2}{10}$ | 1. _____ |
| 2) $6 \times 8 \frac{1}{5} =$ | A. $56 \frac{1}{5}$ | B. $49 \frac{1}{5}$ | C. $55 \frac{1}{5}$ | D. $46 \frac{1}{5}$ | 2. _____ |
| 3) $5 \frac{1}{4} \times 6 =$ | A. $42 \frac{2}{4}$ | B. $37 \frac{2}{4}$ | C. $27 \frac{1}{4}$ | D. $31 \frac{2}{4}$ | 3. _____ |
| 4) $4 \frac{7}{9} \times 4 =$ | A. $14 \frac{1}{9}$ | B. $21 \frac{1}{9}$ | C. $13 \frac{7}{9}$ | D. $19 \frac{1}{9}$ | 4. _____ |
| 5) $2 \times 4 \frac{1}{3} =$ | A. $8 \frac{2}{3}$ | B. $11 \frac{1}{3}$ | C. $13 \frac{2}{3}$ | D. $7 \frac{1}{3}$ | 5. _____ |
| 6) $7 \frac{5}{7} \times 3 =$ | A. $18 \frac{1}{7}$ | B. $19 \frac{1}{7}$ | C. $27 \frac{5}{7}$ | D. $23 \frac{1}{7}$ | 6. _____ |
| 7) $6 \frac{6}{7} \times 8 =$ | A. $54 \frac{6}{7}$ | B. $59 \frac{6}{7}$ | C. $40 \frac{6}{7}$ | D. $47 \frac{6}{7}$ | 7. _____ |
| 8) $4 \frac{3}{5} \times 7 =$ | A. $25 \frac{1}{5}$ | B. $38 \frac{1}{5}$ | C. $27 \frac{1}{5}$ | D. $32 \frac{1}{5}$ | 8. _____ |
| 9) $6 \frac{2}{5} \times 4 =$ | A. $29 \frac{3}{5}$ | B. $32 \frac{3}{5}$ | C. $30 \frac{2}{5}$ | D. $25 \frac{3}{5}$ | 9. _____ |
| 10) $9 \frac{1}{2} \times 2 =$ | A. 17 | B. 19 | C. 21 | D. 22 | 10. _____ |
| 11) $4 \times 6 \frac{1}{3} =$ | A. $22 \frac{1}{3}$ | B. $25 \frac{1}{3}$ | C. $20 \frac{1}{3}$ | D. $32 \frac{1}{3}$ | 11. _____ |
| 12) $9 \times 6 \frac{8}{9} =$ | A. 66 | B. 62 | C. 65 | D. 52 | 12. _____ |



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) $8 \times 4 \frac{4}{10} =$ A. $35 \frac{2}{10}$ B. $24 \frac{2}{10}$ C. $42 \frac{4}{10}$ D. $43 \frac{2}{10}$
- 2) $6 \times 8 \frac{1}{5} =$ A. $56 \frac{1}{5}$ B. $49 \frac{1}{5}$ C. $55 \frac{1}{5}$ D. $46 \frac{1}{5}$
- 3) $5 \frac{1}{4} \times 6 =$ A. $42 \frac{2}{4}$ B. $37 \frac{2}{4}$ C. $27 \frac{1}{4}$ D. $31 \frac{2}{4}$
- 4) $4 \frac{7}{9} \times 4 =$ A. $14 \frac{1}{9}$ B. $21 \frac{1}{9}$ C. $13 \frac{7}{9}$ D. $19 \frac{1}{9}$
- 5) $2 \times 4 \frac{1}{3} =$ A. $8 \frac{2}{3}$ B. $11 \frac{1}{3}$ C. $13 \frac{2}{3}$ D. $7 \frac{1}{3}$
- 6) $7 \frac{5}{7} \times 3 =$ A. $18 \frac{1}{7}$ B. $19 \frac{1}{7}$ C. $27 \frac{5}{7}$ D. $23 \frac{1}{7}$
- 7) $6 \frac{6}{7} \times 8 =$ A. $54 \frac{6}{7}$ B. $59 \frac{6}{7}$ C. $40 \frac{6}{7}$ D. $47 \frac{6}{7}$
- 8) $4 \frac{3}{5} \times 7 =$ A. $25 \frac{1}{5}$ B. $38 \frac{1}{5}$ C. $27 \frac{1}{5}$ D. $32 \frac{1}{5}$
- 9) $6 \frac{2}{5} \times 4 =$ A. $29 \frac{3}{5}$ B. $32 \frac{3}{5}$ C. $30 \frac{2}{5}$ D. $25 \frac{3}{5}$
- 10) $9 \frac{1}{2} \times 2 =$ A. 17 B. 19 C. 21 D. 22
- 11) $4 \times 6 \frac{1}{3} =$ A. $22 \frac{1}{3}$ B. $25 \frac{1}{3}$ C. $20 \frac{1}{3}$ D. $32 \frac{1}{3}$
- 12) $9 \times 6 \frac{8}{9} =$ A. 66 B. 62 C. 65 D. 52

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



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) $4 \frac{1}{7} \times 4 =$ A. $23 \frac{1}{7}$ B. $14 \frac{4}{7}$ C. $16 \frac{4}{7}$ D. $21 \frac{4}{7}$
- 2) $8 \frac{1}{2} \times 7 =$ A. $65 \frac{1}{2}$ B. $53 \frac{1}{2}$ C. $59 \frac{1}{2}$ D. $54 \frac{1}{2}$
- 3) $6 \frac{4}{5} \times 5 =$ A. 25 B. 34 C. 29 D. 36
- 4) $3 \frac{5}{9} \times 6 =$ A. $25 \frac{3}{9}$ B. $12 \frac{3}{9}$ C. $16 \frac{5}{9}$ D. $21 \frac{3}{9}$
- 5) $9 \frac{3}{6} \times 2 =$ A. $21 \frac{3}{6}$ B. 16 C. 22 D. 19
- 6) $9 \times 5 \frac{8}{10} =$ A. $43 \frac{2}{10}$ B. $55 \frac{2}{10}$ C. $56 \frac{2}{10}$ D. $52 \frac{2}{10}$
- 7) $2 \times 5 \frac{3}{4} =$ A. $7 \frac{2}{4}$ B. $11 \frac{2}{4}$ C. $8 \frac{2}{4}$ D. $9 \frac{2}{4}$
- 8) $7 \times 9 \frac{1}{2} =$ A. $77 \frac{1}{2}$ B. $61 \frac{1}{2}$ C. $71 \frac{1}{2}$ D. $66 \frac{1}{2}$
- 9) $2 \times 7 \frac{1}{2} =$ A. $12 \frac{1}{2}$ B. 18 C. 15 D. 13
- 10) $2 \frac{2}{4} \times 3 =$ A. $3 \frac{2}{4}$ B. $10 \frac{2}{4}$ C. $7 \frac{2}{4}$ D. $11 \frac{2}{4}$
- 11) $6 \frac{1}{5} \times 9 =$ A. $45 \frac{4}{5}$ B. $53 \frac{4}{5}$ C. $55 \frac{4}{5}$ D. $66 \frac{1}{5}$
- 12) $3 \times 4 \frac{7}{10} =$ A. $10 \frac{1}{10}$ B. $11 \frac{7}{10}$ C. $14 \frac{1}{10}$ D. $17 \frac{1}{10}$

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



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) $4 \frac{1}{7} \times 4 =$ A. $23 \frac{1}{7}$ B. $14 \frac{4}{7}$ C. $16 \frac{4}{7}$ D. $21 \frac{4}{7}$
- 2) $8 \frac{1}{2} \times 7 =$ A. $65 \frac{1}{2}$ B. $53 \frac{1}{2}$ C. $59 \frac{1}{2}$ D. $54 \frac{1}{2}$
- 3) $6 \frac{4}{5} \times 5 =$ A. 25 B. 34 C. 29 D. 36
- 4) $3 \frac{5}{9} \times 6 =$ A. $25 \frac{3}{9}$ B. $12 \frac{3}{9}$ C. $16 \frac{5}{9}$ D. $21 \frac{3}{9}$
- 5) $9 \frac{3}{6} \times 2 =$ A. $21 \frac{3}{6}$ B. 16 C. 22 D. 19
- 6) $9 \times 5 \frac{8}{10} =$ A. $43 \frac{2}{10}$ B. $55 \frac{2}{10}$ C. $56 \frac{2}{10}$ D. $52 \frac{2}{10}$
- 7) $2 \times 5 \frac{3}{4} =$ A. $7 \frac{2}{4}$ B. $11 \frac{2}{4}$ C. $8 \frac{2}{4}$ D. $9 \frac{2}{4}$
- 8) $7 \times 9 \frac{1}{2} =$ A. $77 \frac{1}{2}$ B. $61 \frac{1}{2}$ C. $71 \frac{1}{2}$ D. $66 \frac{1}{2}$
- 9) $2 \times 7 \frac{1}{2} =$ A. $12 \frac{1}{2}$ B. 18 C. 15 D. 13
- 10) $2 \frac{2}{4} \times 3 =$ A. $3 \frac{2}{4}$ B. $10 \frac{2}{4}$ C. $7 \frac{2}{4}$ D. $11 \frac{2}{4}$
- 11) $6 \frac{1}{5} \times 9 =$ A. $45 \frac{4}{5}$ B. $53 \frac{4}{5}$ C. $55 \frac{4}{5}$ D. $66 \frac{1}{5}$
- 12) $3 \times 4 \frac{7}{10} =$ A. $10 \frac{1}{10}$ B. $11 \frac{7}{10}$ C. $14 \frac{1}{10}$ D. $17 \frac{1}{10}$

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



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) $3 \frac{9}{10} \times 4 =$ A. $11 \frac{9}{10}$ B. $15 \frac{6}{10}$ C. $17 \frac{9}{10}$ D. $8 \frac{6}{10}$
- 2) $2 \frac{7}{8} \times 9 =$ A. $25 \frac{7}{8}$ B. $17 \frac{7}{8}$ C. $15 \frac{7}{8}$ D. $28 \frac{7}{8}$
- 3) $8 \frac{2}{5} \times 9 =$ A. $70 \frac{3}{5}$ B. $71 \frac{2}{5}$ C. $75 \frac{3}{5}$ D. $82 \frac{2}{5}$
- 4) $3 \times 4 \frac{3}{5} =$ A. $13 \frac{4}{5}$ B. $17 \frac{4}{5}$ C. $18 \frac{4}{5}$ D. $11 \frac{3}{5}$
- 5) $4 \times 3 \frac{2}{4} =$ A. 11 B. 19 C. 14 D. 17
- 6) $7 \frac{6}{9} \times 9 =$ A. $60 \frac{6}{9}$ B. $75 \frac{6}{9}$ C. 81 D. 69
- 7) $8 \times 7 \frac{1}{8} =$ A. 54 B. 57 C. 66 D. 48
- 8) $3 \frac{3}{4} \times 7 =$ A. $19 \frac{3}{4}$ B. $14 \frac{1}{4}$ C. $26 \frac{1}{4}$ D. $18 \frac{1}{4}$
- 9) $8 \times 7 \frac{4}{8} =$ A. 65 B. $66 \frac{4}{8}$ C. 55 D. 60
- 10) $5 \times 8 \frac{4}{8} =$ A. $35 \frac{4}{8}$ B. $50 \frac{4}{8}$ C. $42 \frac{4}{8}$ D. $48 \frac{4}{8}$
- 11) $6 \frac{1}{2} \times 6 =$ A. 43 B. 34 C. 44 D. 39
- 12) $9 \times 2 \frac{1}{4} =$ A. $20 \frac{1}{4}$ B. $29 \frac{1}{4}$ C. $15 \frac{1}{4}$ D. $30 \frac{1}{4}$

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



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) $3 \frac{9}{10} \times 4 =$ A. $11 \frac{9}{10}$ B. $15 \frac{6}{10}$ C. $17 \frac{9}{10}$ D. $8 \frac{6}{10}$
- 2) $2 \frac{7}{8} \times 9 =$ A. $25 \frac{7}{8}$ B. $17 \frac{7}{8}$ C. $15 \frac{7}{8}$ D. $28 \frac{7}{8}$
- 3) $8 \frac{2}{5} \times 9 =$ A. $70 \frac{3}{5}$ B. $71 \frac{2}{5}$ C. $75 \frac{3}{5}$ D. $82 \frac{2}{5}$
- 4) $3 \times 4 \frac{3}{5} =$ A. $13 \frac{4}{5}$ B. $17 \frac{4}{5}$ C. $18 \frac{4}{5}$ D. $11 \frac{3}{5}$
- 5) $4 \times 3 \frac{2}{4} =$ A. 11 B. 19 C. 14 D. 17
- 6) $7 \frac{6}{9} \times 9 =$ A. $60 \frac{6}{9}$ B. $75 \frac{6}{9}$ C. 81 D. 69
- 7) $8 \times 7 \frac{1}{8} =$ A. 54 B. 57 C. 66 D. 48
- 8) $3 \frac{3}{4} \times 7 =$ A. $19 \frac{3}{4}$ B. $14 \frac{1}{4}$ C. $26 \frac{1}{4}$ D. $18 \frac{1}{4}$
- 9) $8 \times 7 \frac{4}{8} =$ A. 65 B. $66 \frac{4}{8}$ C. 55 D. 60
- 10) $5 \times 8 \frac{4}{8} =$ A. $35 \frac{4}{8}$ B. $50 \frac{4}{8}$ C. $42 \frac{4}{8}$ D. $48 \frac{4}{8}$
- 11) $6 \frac{1}{2} \times 6 =$ A. 43 B. 34 C. 44 D. 39
- 12) $9 \times 2 \frac{1}{4} =$ A. $20 \frac{1}{4}$ B. $29 \frac{1}{4}$ C. $15 \frac{1}{4}$ D. $30 \frac{1}{4}$

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



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) $5 \times 2 \frac{1}{2} =$ A. $12 \frac{1}{2}$ B. $7 \frac{1}{2}$ C. $16 \frac{1}{2}$ D. $8 \frac{1}{2}$
- 2) $6 \times 9 \frac{2}{8} =$ A. $48 \frac{4}{8}$ B. $63 \frac{2}{8}$ C. $62 \frac{4}{8}$ D. $55 \frac{4}{8}$
- 3) $9 \times 4 \frac{2}{6} =$ A. 33 B. 48 C. 27 D. 39
- 4) $7 \frac{1}{2} \times 3 =$ A. $22 \frac{1}{2}$ B. $19 \frac{1}{2}$ C. $27 \frac{1}{2}$ D. $18 \frac{1}{2}$
- 5) $6 \frac{3}{5} \times 9 =$ A. $59 \frac{2}{5}$ B. $66 \frac{3}{5}$ C. $45 \frac{2}{5}$ D. $65 \frac{2}{5}$
- 6) $2 \frac{9}{10} \times 6 =$ A. $9 \frac{9}{10}$ B. $19 \frac{4}{10}$ C. $11 \frac{4}{10}$ D. $17 \frac{4}{10}$
- 7) $3 \frac{3}{5} \times 9 =$ A. $39 \frac{2}{5}$ B. $45 \frac{2}{5}$ C. $24 \frac{2}{5}$ D. $32 \frac{2}{5}$
- 8) $4 \times 4 \frac{1}{4} =$ A. 17 B. 14 C. 13 D. 23
- 9) $2 \times 7 \frac{5}{6} =$ A. $15 \frac{4}{6}$ B. $13 \frac{5}{6}$ C. $11 \frac{4}{6}$ D. $18 \frac{4}{6}$
- 10) $7 \frac{2}{4} \times 5 =$ A. $41 \frac{2}{4}$ B. $37 \frac{2}{4}$ C. $42 \frac{2}{4}$ D. $33 \frac{2}{4}$
- 11) $6 \frac{6}{7} \times 5 =$ A. $40 \frac{2}{7}$ B. $28 \frac{6}{7}$ C. $34 \frac{2}{7}$ D. $37 \frac{6}{7}$
- 12) $4 \times 8 \frac{1}{4} =$ A. 33 B. 38 C. $39 \frac{1}{4}$ D. 28

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



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Answers

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- 12) $4 \times 8 \frac{1}{4} =$ A. 33 B. 38 C. $39 \frac{1}{4}$ D. 28

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