



**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  $5 \times 6$  and  $5 \times 7$ .

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

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

**Answers**

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

1)  $9 \frac{4}{10} \times 3 =$       A.  $28 \frac{2}{10}$       B.  $25 \frac{4}{10}$       C.  $34 \frac{2}{10}$       D.  $32 \frac{4}{10}$

2)  $3 \times 7 \frac{4}{9} =$       A.  $17 \frac{4}{9}$       B.  $28 \frac{3}{9}$       C.  $22 \frac{3}{9}$       D.  $28 \frac{4}{9}$

3)  $7 \times 3 \frac{1}{2} =$       A.  $17 \frac{1}{2}$       B.  $31 \frac{1}{2}$       C.  $18 \frac{1}{2}$       D.  $24 \frac{1}{2}$

4)  $7 \times 2 \frac{5}{8} =$       A.  $18 \frac{3}{8}$       B.  $24 \frac{3}{8}$       C.  $11 \frac{3}{8}$       D.  $28 \frac{3}{8}$

5)  $8 \times 3 \frac{4}{8} =$       A. 28      B. 21      C. 20      D. 34

6)  $4 \times 4 \frac{4}{6} =$       A.  $14 \frac{4}{6}$       B.  $12 \frac{4}{6}$       C.  $18 \frac{4}{6}$       D.  $22 \frac{4}{6}$

7)  $8 \times 4 \frac{4}{6} =$       A.  $37 \frac{2}{6}$       B.  $42 \frac{2}{6}$       C.  $48 \frac{2}{6}$       D.  $43 \frac{2}{6}$

8)  $4 \frac{1}{2} \times 7 =$       A.  $38 \frac{1}{2}$       B.  $37 \frac{1}{2}$       C.  $21 \frac{1}{2}$       D.  $31 \frac{1}{2}$

9)  $5 \times 5 \frac{6}{8} =$       A.  $21 \frac{6}{8}$       B.  $28 \frac{6}{8}$       C.  $33 \frac{6}{8}$       D.  $23 \frac{6}{8}$

10)  $4 \times 5 \frac{1}{3} =$       A.  $16 \frac{1}{3}$       B.  $21 \frac{1}{3}$       C.  $26 \frac{1}{3}$       D.  $28 \frac{1}{3}$



**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  $5 \times 6$  and  $5 \times 7$ .

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

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

**Answers**

1)  $9 \frac{4}{10} \times 3 =$     A.  $28 \frac{2}{10}$     B.  $25 \frac{4}{10}$     C.  $34 \frac{2}{10}$     D.  $32 \frac{4}{10}$

2)  $3 \times 7 \frac{4}{9} =$     A.  $17 \frac{4}{9}$     B.  $28 \frac{3}{9}$     C.  $22 \frac{3}{9}$     D.  $28 \frac{4}{9}$

3)  $7 \times 3 \frac{1}{2} =$     A.  $17 \frac{1}{2}$     B.  $31 \frac{1}{2}$     C.  $18 \frac{1}{2}$     D.  $24 \frac{1}{2}$

4)  $7 \times 2 \frac{5}{8} =$     A.  $18 \frac{3}{8}$     B.  $24 \frac{3}{8}$     C.  $11 \frac{3}{8}$     D.  $28 \frac{3}{8}$

5)  $8 \times 3 \frac{4}{8} =$     A. 28    B. 21    C. 20    D. 34

6)  $4 \times 4 \frac{4}{6} =$     A.  $14 \frac{4}{6}$     B.  $12 \frac{4}{6}$     C.  $18 \frac{4}{6}$     D.  $22 \frac{4}{6}$

7)  $8 \times 4 \frac{4}{6} =$     A.  $37 \frac{2}{6}$     B.  $42 \frac{2}{6}$     C.  $48 \frac{2}{6}$     D.  $43 \frac{2}{6}$

8)  $4 \frac{1}{2} \times 7 =$     A.  $38 \frac{1}{2}$     B.  $37 \frac{1}{2}$     C.  $21 \frac{1}{2}$     D.  $31 \frac{1}{2}$

9)  $5 \times 5 \frac{6}{8} =$     A.  $21 \frac{6}{8}$     B.  $28 \frac{6}{8}$     C.  $33 \frac{6}{8}$     D.  $23 \frac{6}{8}$

10)  $4 \times 5 \frac{1}{3} =$     A.  $16 \frac{1}{3}$     B.  $21 \frac{1}{3}$     C.  $26 \frac{1}{3}$     D.  $28 \frac{1}{3}$

1.   **A**  

2.   **C**  

3.   **D**  

4.   **A**  

5.   **A**  

6.   **C**  

7.   **A**  

8.   **D**  

9.   **B**  

10.   **B**  

11.   **A**  

12.   **B**



**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  $5 \times 6$  and  $5 \times 7$ .

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

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

**Answers**

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

1)  $3 \frac{1}{2} \times 7 =$       A.  $14 \frac{1}{2}$       B.  $18 \frac{1}{2}$       C.  $24 \frac{1}{2}$       D.  $35 \frac{1}{2}$

2)  $6 \frac{3}{8} \times 3 =$       A.  $19 \frac{1}{8}$       B.  $24 \frac{1}{8}$       C.  $16 \frac{3}{8}$       D.  $16 \frac{1}{8}$

3)  $2 \frac{3}{8} \times 6 =$       A.  $9 \frac{2}{8}$       B.  $14 \frac{2}{8}$       C.  $22 \frac{3}{8}$       D.  $6 \frac{2}{8}$

4)  $8 \times 3 \frac{1}{4} =$       A. 26      B. 20      C.  $35 \frac{1}{4}$       D.  $20 \frac{1}{4}$

5)  $8 \times 2 \frac{3}{6} =$       A. 20      B. 28      C.  $26 \frac{3}{6}$       D.  $27 \frac{3}{6}$

6)  $4 \frac{2}{6} \times 4 =$       A.  $23 \frac{2}{6}$       B.  $17 \frac{2}{6}$       C.  $13 \frac{2}{6}$       D.  $14 \frac{2}{6}$

7)  $9 \frac{1}{6} \times 7 =$       A.  $64 \frac{1}{6}$       B.  $77 \frac{1}{6}$       C.  $60 \frac{1}{6}$       D.  $56 \frac{1}{6}$

8)  $3 \times 9 \frac{3}{10} =$       A.  $32 \frac{3}{10}$       B.  $25 \frac{3}{10}$       C.  $27 \frac{9}{10}$       D.  $34 \frac{3}{10}$

9)  $2 \times 8 \frac{3}{5} =$       A.  $17 \frac{1}{5}$       B.  $22 \frac{3}{5}$       C.  $21 \frac{3}{5}$       D.  $20 \frac{1}{5}$

10)  $4 \times 8 \frac{1}{4} =$       A. 30      B. 33      C. 28      D. 38



**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  $5 \times 6$  and  $5 \times 7$ .

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

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

**Answers**

1)  $3 \frac{1}{2} \times 7 =$       A.  $14 \frac{1}{2}$       B.  $18 \frac{1}{2}$       C.  $24 \frac{1}{2}$       D.  $35 \frac{1}{2}$

2)  $6 \frac{3}{8} \times 3 =$       A.  $19 \frac{1}{8}$       B.  $24 \frac{1}{8}$       C.  $16 \frac{3}{8}$       D.  $16 \frac{1}{8}$

3)  $2 \frac{3}{8} \times 6 =$       A.  $9 \frac{2}{8}$       B.  $14 \frac{2}{8}$       C.  $22 \frac{3}{8}$       D.  $6 \frac{2}{8}$

4)  $8 \times 3 \frac{1}{4} =$       A. 26      B. 20      C.  $35 \frac{1}{4}$       D.  $20 \frac{1}{4}$

5)  $8 \times 2 \frac{3}{6} =$       A. 20      B. 28      C.  $26 \frac{3}{6}$       D.  $27 \frac{3}{6}$

6)  $4 \frac{2}{6} \times 4 =$       A.  $23 \frac{2}{6}$       B.  $17 \frac{2}{6}$       C.  $13 \frac{2}{6}$       D.  $14 \frac{2}{6}$

7)  $9 \frac{1}{6} \times 7 =$       A.  $64 \frac{1}{6}$       B.  $77 \frac{1}{6}$       C.  $60 \frac{1}{6}$       D.  $56 \frac{1}{6}$

8)  $3 \times 9 \frac{3}{10} =$       A.  $32 \frac{3}{10}$       B.  $25 \frac{3}{10}$       C.  $27 \frac{9}{10}$       D.  $34 \frac{3}{10}$

9)  $2 \times 8 \frac{3}{5} =$       A.  $17 \frac{1}{5}$       B.  $22 \frac{3}{5}$       C.  $21 \frac{3}{5}$       D.  $20 \frac{1}{5}$

10)  $4 \times 8 \frac{1}{4} =$       A. 30      B. 33      C. 28      D. 38

1.     **C**    

2.     **A**    

3.     **B**    

4.     **A**    

5.     **A**    

6.     **B**    

7.     **A**    

8.     **C**    

9.     **A**    

10.     **B**    

11.     **A**    

12.     **A**



**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  $5 \times 6$  and  $5 \times 7$ .

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

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

**Answers**

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

- 1)  $3 \times 2 \frac{3}{7} =$     A.  $11 \frac{3}{7}$     B.  $13 \frac{3}{7}$     C.  $7 \frac{2}{7}$     D.  $3 \frac{3}{7}$
- 2)  $6 \frac{4}{6} \times 4 =$     A.  $26 \frac{4}{6}$     B.  $21 \frac{4}{6}$     C.  $30 \frac{4}{6}$     D.  $22 \frac{4}{6}$
- 3)  $2 \times 3 \frac{3}{6} =$     A.  $2 \frac{3}{6}$     B. 11    C.  $3 \frac{3}{6}$     D. 7
- 4)  $5 \frac{9}{10} \times 4 =$     A.  $27 \frac{6}{10}$     B.  $28 \frac{9}{10}$     C.  $16 \frac{9}{10}$     D.  $23 \frac{6}{10}$
- 5)  $9 \times 2 \frac{1}{6} =$     A.  $30 \frac{3}{6}$     B.  $19 \frac{3}{6}$     C.  $30 \frac{1}{6}$     D.  $36 \frac{3}{6}$
- 6)  $6 \times 2 \frac{6}{8} =$     A.  $10 \frac{6}{8}$     B.  $22 \frac{6}{8}$     C.  $24 \frac{4}{8}$     D.  $16 \frac{4}{8}$
- 7)  $3 \times 4 \frac{3}{4} =$     A.  $9 \frac{3}{4}$     B.  $9 \frac{1}{4}$     C.  $14 \frac{1}{4}$     D.  $19 \frac{1}{4}$
- 8)  $6 \frac{5}{6} \times 6 =$     A. 41    B.  $46 \frac{5}{6}$     C. 46    D. 33
- 9)  $4 \times 7 \frac{8}{9} =$     A.  $31 \frac{5}{9}$     B.  $26 \frac{5}{9}$     C.  $25 \frac{5}{9}$     D.  $36 \frac{5}{9}$
- 10)  $5 \frac{1}{6} \times 2 =$     A.  $10 \frac{2}{6}$     B.  $8 \frac{2}{6}$     C.  $6 \frac{1}{6}$     D.  $15 \frac{1}{6}$



**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  $5 \times 6$  and  $5 \times 7$ .

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

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

**Answers**

- 1)  $3 \times 2 \frac{3}{7} =$     A.  $11 \frac{3}{7}$     B.  $13 \frac{3}{7}$     C.  $7 \frac{2}{7}$     D.  $3 \frac{3}{7}$
- 2)  $6 \frac{4}{6} \times 4 =$     A.  $26 \frac{4}{6}$     B.  $21 \frac{4}{6}$     C.  $30 \frac{4}{6}$     D.  $22 \frac{4}{6}$
- 3)  $2 \times 3 \frac{3}{6} =$     A.  $2 \frac{3}{6}$     B. 11    C.  $3 \frac{3}{6}$     D. 7
- 4)  $5 \frac{9}{10} \times 4 =$     A.  $27 \frac{6}{10}$     B.  $28 \frac{9}{10}$     C.  $16 \frac{9}{10}$     D.  $23 \frac{6}{10}$
- 5)  $9 \times 2 \frac{1}{6} =$     A.  $30 \frac{3}{6}$     B.  $19 \frac{3}{6}$     C.  $30 \frac{1}{6}$     D.  $36 \frac{3}{6}$
- 6)  $6 \times 2 \frac{6}{8} =$     A.  $10 \frac{6}{8}$     B.  $22 \frac{6}{8}$     C.  $24 \frac{4}{8}$     D.  $16 \frac{4}{8}$
- 7)  $3 \times 4 \frac{3}{4} =$     A.  $9 \frac{3}{4}$     B.  $9 \frac{1}{4}$     C.  $14 \frac{1}{4}$     D.  $19 \frac{1}{4}$
- 8)  $6 \frac{5}{6} \times 6 =$     A. 41    B.  $46 \frac{5}{6}$     C. 46    D. 33
- 9)  $4 \times 7 \frac{8}{9} =$     A.  $31 \frac{5}{9}$     B.  $26 \frac{5}{9}$     C.  $25 \frac{5}{9}$     D.  $36 \frac{5}{9}$
- 10)  $5 \frac{1}{6} \times 2 =$     A.  $10 \frac{2}{6}$     B.  $8 \frac{2}{6}$     C.  $6 \frac{1}{6}$     D.  $15 \frac{1}{6}$

1.   **C**
2.   **A**
3.   **D**
4.   **D**
5.   **B**
6.   **D**
7.   **C**
8.   **A**
9.   **A**
10.   **A**
11.   **D**
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  $5 \times 6$  and  $5 \times 7$ .

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

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

1)  $3 \frac{1}{4} \times 3 =$       A.  $16 \frac{1}{4}$       B.  $7 \frac{3}{4}$       C.  $9 \frac{3}{4}$       D.  $15 \frac{1}{4}$

2)  $6 \times 7 \frac{5}{6} =$       A.  $51 \frac{5}{6}$       B. 47      C.  $52 \frac{5}{6}$       D.  $40 \frac{5}{6}$

3)  $6 \frac{1}{7} \times 8 =$       A.  $40 \frac{1}{7}$       B.  $49 \frac{1}{7}$       C.  $45 \frac{1}{7}$       D.  $46 \frac{1}{7}$

4)  $4 \times 4 \frac{7}{10} =$       A.  $24 \frac{8}{10}$       B.  $18 \frac{8}{10}$       C.  $22 \frac{7}{10}$       D.  $12 \frac{8}{10}$

5)  $6 \frac{3}{7} \times 8 =$       A.  $58 \frac{3}{7}$       B.  $45 \frac{3}{7}$       C.  $46 \frac{3}{7}$       D.  $51 \frac{3}{7}$

6)  $2 \times 4 \frac{1}{3} =$       A.  $6 \frac{2}{3}$       B.  $4 \frac{2}{3}$       C.  $12 \frac{2}{3}$       D.  $8 \frac{2}{3}$

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

8)  $4 \frac{6}{10} \times 9 =$       A.  $33 \frac{4}{10}$       B.  $41 \frac{4}{10}$       C.  $47 \frac{4}{10}$       D.  $48 \frac{6}{10}$

9)  $3 \frac{1}{9} \times 9 =$       A.  $39 \frac{1}{9}$       B.  $40 \frac{1}{9}$       C. 28      D. 24

10)  $6 \times 7 \frac{3}{4} =$       A.  $38 \frac{2}{4}$       B.  $46 \frac{2}{4}$       C.  $36 \frac{2}{4}$       D.  $50 \frac{2}{4}$

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  $5 \times 6$  and  $5 \times 7$ .

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

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

**Answers**

- 1)  $3 \frac{1}{4} \times 3 =$     A.  $16 \frac{1}{4}$     B.  $7 \frac{3}{4}$     C.  $9 \frac{3}{4}$     D.  $15 \frac{1}{4}$
- 2)  $6 \times 7 \frac{5}{6} =$     A.  $51 \frac{5}{6}$     B. 47    C.  $52 \frac{5}{6}$     D.  $40 \frac{5}{6}$
- 3)  $6 \frac{1}{7} \times 8 =$     A.  $40 \frac{1}{7}$     B.  $49 \frac{1}{7}$     C.  $45 \frac{1}{7}$     D.  $46 \frac{1}{7}$
- 4)  $4 \times 4 \frac{7}{10} =$     A.  $24 \frac{8}{10}$     B.  $18 \frac{8}{10}$     C.  $22 \frac{7}{10}$     D.  $12 \frac{8}{10}$
- 5)  $6 \frac{3}{7} \times 8 =$     A.  $58 \frac{3}{7}$     B.  $45 \frac{3}{7}$     C.  $46 \frac{3}{7}$     D.  $51 \frac{3}{7}$
- 6)  $2 \times 4 \frac{1}{3} =$     A.  $6 \frac{2}{3}$     B.  $4 \frac{2}{3}$     C.  $12 \frac{2}{3}$     D.  $8 \frac{2}{3}$
- 7)  $3 \frac{3}{6} \times 2 =$     A.  $11 \frac{3}{6}$     B.  $2 \frac{3}{6}$     C. 7    D. 2
- 8)  $4 \frac{6}{10} \times 9 =$     A.  $33 \frac{4}{10}$     B.  $41 \frac{4}{10}$     C.  $47 \frac{4}{10}$     D.  $48 \frac{6}{10}$
- 9)  $3 \frac{1}{9} \times 9 =$     A.  $39 \frac{1}{9}$     B.  $40 \frac{1}{9}$     C. 28    D. 24
- 10)  $6 \times 7 \frac{3}{4} =$     A.  $38 \frac{2}{4}$     B.  $46 \frac{2}{4}$     C.  $36 \frac{2}{4}$     D.  $50 \frac{2}{4}$

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





**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  $5 \times 6$  and  $5 \times 7$ .

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

The actual answer is  $33 \frac{1}{3}$  which is between  $5 \times 6$  (30) and  $5 \times 7$  (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.  $3 \frac{4}{8}$



**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  $5 \times 6$  and  $5 \times 7$ .

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

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

**Answers**

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.  $3 \frac{4}{8}$

1.   **D**  

2.   **A**  

3.   **B**  

4.   **B**  

5.   **A**  

6.   **A**  

7.   **A**  

8.   **D**  

9.   **A**  

10.   **A**  

11.   **D**  

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  $5 \times 6$  and  $5 \times 7$ .

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

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

1)  $2 \times 8 \frac{1}{5} =$       A.  $16 \frac{2}{5}$       B.  $12 \frac{1}{5}$       C.  $20 \frac{1}{5}$       D.  $20 \frac{2}{5}$

2)  $9 \times 6 \frac{3}{9} =$       A. 57      B. 51      C. 52      D.  $66 \frac{3}{9}$

3)  $3 \times 8 \frac{4}{5} =$       A.  $29 \frac{2}{5}$       B.  $21 \frac{2}{5}$       C.  $30 \frac{4}{5}$       D.  $26 \frac{2}{5}$

4)  $9 \frac{5}{7} \times 7 =$       A.  $60 \frac{5}{7}$       B.  $73 \frac{5}{7}$       C. 77      D. 68

5)  $3 \frac{2}{3} \times 2 =$       A.  $11 \frac{2}{3}$       B.  $4 \frac{1}{3}$       C.  $7 \frac{1}{3}$       D.  $11 \frac{1}{3}$

6)  $9 \frac{2}{9} \times 8 =$       A.  $69 \frac{7}{9}$       B.  $69 \frac{2}{9}$       C.  $68 \frac{2}{9}$       D.  $73 \frac{7}{9}$

7)  $9 \times 3 \frac{4}{7} =$       A.  $32 \frac{1}{7}$       B.  $23 \frac{4}{7}$       C.  $40 \frac{4}{7}$       D.  $25 \frac{1}{7}$

8)  $5 \frac{4}{9} \times 4 =$       A.  $26 \frac{4}{9}$       B.  $21 \frac{7}{9}$       C.  $17 \frac{7}{9}$       D.  $28 \frac{4}{9}$

9)  $9 \frac{7}{8} \times 7 =$       A.  $77 \frac{1}{8}$       B.  $74 \frac{1}{8}$       C.  $69 \frac{1}{8}$       D.  $74 \frac{7}{8}$

10)  $5 \times 6 \frac{6}{9} =$       A.  $33 \frac{3}{9}$       B.  $40 \frac{3}{9}$       C.  $38 \frac{3}{9}$       D.  $26 \frac{6}{9}$

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  $5 \times 6$  and  $5 \times 7$ .

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

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

**Answers**

1)  $2 \times 8 \frac{1}{5} =$     A.  $16 \frac{2}{5}$     B.  $12 \frac{1}{5}$     C.  $20 \frac{1}{5}$     D.  $20 \frac{2}{5}$

2)  $9 \times 6 \frac{3}{9} =$     A. 57    B. 51    C. 52    D.  $66 \frac{3}{9}$

3)  $3 \times 8 \frac{4}{5} =$     A.  $29 \frac{2}{5}$     B.  $21 \frac{2}{5}$     C.  $30 \frac{4}{5}$     D.  $26 \frac{2}{5}$

4)  $9 \frac{5}{7} \times 7 =$     A.  $60 \frac{5}{7}$     B.  $73 \frac{5}{7}$     C. 77    D. 68

5)  $3 \frac{2}{3} \times 2 =$     A.  $11 \frac{2}{3}$     B.  $4 \frac{1}{3}$     C.  $7 \frac{1}{3}$     D.  $11 \frac{1}{3}$

6)  $9 \frac{2}{9} \times 8 =$     A.  $69 \frac{7}{9}$     B.  $69 \frac{2}{9}$     C.  $68 \frac{2}{9}$     D.  $73 \frac{7}{9}$

7)  $9 \times 3 \frac{4}{7} =$     A.  $32 \frac{1}{7}$     B.  $23 \frac{4}{7}$     C.  $40 \frac{4}{7}$     D.  $25 \frac{1}{7}$

8)  $5 \frac{4}{9} \times 4 =$     A.  $26 \frac{4}{9}$     B.  $21 \frac{7}{9}$     C.  $17 \frac{7}{9}$     D.  $28 \frac{4}{9}$

9)  $9 \frac{7}{8} \times 7 =$     A.  $77 \frac{1}{8}$     B.  $74 \frac{1}{8}$     C.  $69 \frac{1}{8}$     D.  $74 \frac{7}{8}$

10)  $5 \times 6 \frac{6}{9} =$     A.  $33 \frac{3}{9}$     B.  $40 \frac{3}{9}$     C.  $38 \frac{3}{9}$     D.  $26 \frac{6}{9}$

1.   **A**  

2.   **A**  

3.   **D**  

4.   **D**  

5.   **C**  

6.   **D**  

7.   **A**  

8.   **B**  

9.   **C**  

10.   **A**  

11.   **A**  

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  $5 \times 6$  and  $5 \times 7$ .

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

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

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.  $26 \frac{6}{9}$

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  $5 \times 6$  and  $5 \times 7$ .

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

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

**Answers**

- 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.  $26 \frac{6}{9}$

1.   **A**
2.   **A**
3.   **A**
4.   **C**
5.   **A**
6.   **C**
7.   **A**
8.   **D**
9.   **D**
10.   **D**
11.   **A**
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  $5 \times 6$  and  $5 \times 7$ .

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

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

1)  $5 \times 8 \frac{2}{3} =$     A.  $49 \frac{2}{3}$     B.  $37 \frac{1}{3}$     C.  $47 \frac{1}{3}$     D.  $43 \frac{1}{3}$

2)  $5 \frac{2}{6} \times 4 =$     A.  $27 \frac{2}{6}$     B.  $21 \frac{2}{6}$     C.  $16 \frac{2}{6}$     D.  $26 \frac{2}{6}$

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

4)  $7 \frac{3}{5} \times 4 =$     A.  $36 \frac{3}{5}$     B.  $34 \frac{3}{5}$     C.  $30 \frac{2}{5}$     D.  $25 \frac{3}{5}$

5)  $9 \times 9 \frac{1}{4} =$     A.  $93 \frac{1}{4}$     B.  $83 \frac{1}{4}$     C.  $99 \frac{1}{4}$     D.  $79 \frac{1}{4}$

6)  $5 \frac{1}{9} \times 9 =$     A.  $57 \frac{1}{9}$     B. 42    C. 46    D. 63

7)  $3 \frac{5}{9} \times 6 =$     A.  $16 \frac{5}{9}$     B.  $15 \frac{3}{9}$     C.  $21 \frac{3}{9}$     D.  $15 \frac{5}{9}$

8)  $5 \frac{1}{10} \times 2 =$     A.  $15 \frac{2}{10}$     B.  $10 \frac{2}{10}$     C.  $14 \frac{2}{10}$     D.  $16 \frac{1}{10}$

9)  $9 \times 8 \frac{1}{3} =$     A. 84    B.  $70 \frac{1}{3}$     C. 63    D. 75

10)  $5 \times 4 \frac{7}{8} =$     A.  $17 \frac{7}{8}$     B.  $28 \frac{7}{8}$     C.  $17 \frac{3}{8}$     D.  $24 \frac{3}{8}$

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  $5 \times 6$  and  $5 \times 7$ .

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

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

**Answers**

1)  $5 \times 8 \frac{2}{3} =$     A.  $49 \frac{2}{3}$     B.  $37 \frac{1}{3}$     C.  $47 \frac{1}{3}$     D.  $43 \frac{1}{3}$

2)  $5 \frac{2}{6} \times 4 =$     A.  $27 \frac{2}{6}$     B.  $21 \frac{2}{6}$     C.  $16 \frac{2}{6}$     D.  $26 \frac{2}{6}$

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

4)  $7 \frac{3}{5} \times 4 =$     A.  $36 \frac{3}{5}$     B.  $34 \frac{3}{5}$     C.  $30 \frac{2}{5}$     D.  $25 \frac{3}{5}$

5)  $9 \times 9 \frac{1}{4} =$     A.  $93 \frac{1}{4}$     B.  $83 \frac{1}{4}$     C.  $99 \frac{1}{4}$     D.  $79 \frac{1}{4}$

6)  $5 \frac{1}{9} \times 9 =$     A.  $57 \frac{1}{9}$     B. 42    C. 46    D. 63

7)  $3 \frac{5}{9} \times 6 =$     A.  $16 \frac{5}{9}$     B.  $15 \frac{3}{9}$     C.  $21 \frac{3}{9}$     D.  $15 \frac{5}{9}$

8)  $5 \frac{1}{10} \times 2 =$     A.  $15 \frac{2}{10}$     B.  $10 \frac{2}{10}$     C.  $14 \frac{2}{10}$     D.  $16 \frac{1}{10}$

9)  $9 \times 8 \frac{1}{3} =$     A. 84    B.  $70 \frac{1}{3}$     C. 63    D. 75

10)  $5 \times 4 \frac{7}{8} =$     A.  $17 \frac{7}{8}$     B.  $28 \frac{7}{8}$     C.  $17 \frac{3}{8}$     D.  $24 \frac{3}{8}$

1. **D**

2. **B**

3. **B**

4. **C**

5. **B**

6. **C**

7. **C**

8. **B**

9. **D**

10. **D**

11. **B**

12. **C**





**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  $5 \times 6$  and  $5 \times 7$ .

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

The actual answer is  $33 \frac{1}{3}$  which is between  $5 \times 6$  (30) and  $5 \times 7$  (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.  $11 \frac{4}{8}$



**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  $5 \times 6$  and  $5 \times 7$ .

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

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

**Answers**

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.  $11 \frac{4}{8}$

1.   **C**  

2.   **A**  

3.   **B**  

4.   **A**  

5.   **B**  

6.   **A**  

7.   **A**  

8.   **A**  

9.   **B**  

10.   **B**  

11.   **A**  

12.   **B**



**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  $5 \times 6$  and  $5 \times 7$ .

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

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

**Answers**

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

1)  $5 \frac{3}{4} \times 6 =$     A.  $27 \frac{3}{4}$     B.  $40 \frac{3}{4}$     C.  $38 \frac{3}{4}$     D.  $34 \frac{2}{4}$

2)  $9 \frac{1}{2} \times 7 =$     A.  $59 \frac{1}{2}$     B.  $73 \frac{1}{2}$     C.  $60 \frac{1}{2}$     D.  $66 \frac{1}{2}$

3)  $4 \times 9 \frac{5}{7} =$     A.  $38 \frac{6}{7}$     B.  $34 \frac{5}{7}$     C.  $42 \frac{5}{7}$     D.  $44 \frac{6}{7}$

4)  $8 \times 7 \frac{3}{6} =$     A.  $68 \frac{3}{6}$     B. 72    C. 60    D.  $67 \frac{3}{6}$

5)  $7 \frac{3}{5} \times 4 =$     A.  $34 \frac{2}{5}$     B.  $36 \frac{3}{5}$     C.  $34 \frac{3}{5}$     D.  $30 \frac{2}{5}$

6)  $7 \frac{1}{3} \times 6 =$     A. 44    B.  $40 \frac{1}{3}$     C. 36    D. 54

7)  $5 \frac{1}{8} \times 5 =$     A.  $25 \frac{5}{8}$     B.  $33 \frac{1}{8}$     C.  $21 \frac{1}{8}$     D.  $22 \frac{1}{8}$

8)  $9 \times 9 \frac{5}{9} =$     A.  $77 \frac{5}{9}$     B. 86    C. 93    D. 78

9)  $4 \frac{5}{10} \times 8 =$     A. 36    B.  $30 \frac{5}{10}$     C. 43    D. 24

10)  $6 \times 6 \frac{8}{9} =$     A.  $41 \frac{3}{9}$     B.  $33 \frac{3}{9}$     C.  $34 \frac{3}{9}$     D.  $32 \frac{8}{9}$



**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  $5 \times 6$  and  $5 \times 7$ .

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

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

**Answers**

1)  $5 \frac{3}{4} \times 6 =$     A.  $27 \frac{3}{4}$     B.  $40 \frac{3}{4}$     C.  $38 \frac{3}{4}$     D.  $34 \frac{2}{4}$

2)  $9 \frac{1}{2} \times 7 =$     A.  $59 \frac{1}{2}$     B.  $73 \frac{1}{2}$     C.  $60 \frac{1}{2}$     D.  $66 \frac{1}{2}$

3)  $4 \times 9 \frac{5}{7} =$     A.  $38 \frac{6}{7}$     B.  $34 \frac{5}{7}$     C.  $42 \frac{5}{7}$     D.  $44 \frac{6}{7}$

4)  $8 \times 7 \frac{3}{6} =$     A.  $68 \frac{3}{6}$     B. 72    C. 60    D.  $67 \frac{3}{6}$

5)  $7 \frac{3}{5} \times 4 =$     A.  $34 \frac{2}{5}$     B.  $36 \frac{3}{5}$     C.  $34 \frac{3}{5}$     D.  $30 \frac{2}{5}$

6)  $7 \frac{1}{3} \times 6 =$     A. 44    B.  $40 \frac{1}{3}$     C. 36    D. 54

7)  $5 \frac{1}{8} \times 5 =$     A.  $25 \frac{5}{8}$     B.  $33 \frac{1}{8}$     C.  $21 \frac{1}{8}$     D.  $22 \frac{1}{8}$

8)  $9 \times 9 \frac{5}{9} =$     A.  $77 \frac{5}{9}$     B. 86    C. 93    D. 78

9)  $4 \frac{5}{10} \times 8 =$     A. 36    B.  $30 \frac{5}{10}$     C. 43    D. 24

10)  $6 \times 6 \frac{8}{9} =$     A.  $41 \frac{3}{9}$     B.  $33 \frac{3}{9}$     C.  $34 \frac{3}{9}$     D.  $32 \frac{8}{9}$

1.   **D**  

2.   **D**  

3.   **A**  

4.   **C**  

5.   **D**  

6.   **A**  

7.   **A**  

8.   **B**  

9.   **A**  

10.   **A**  

11.   **A**  

12.   **D**