



When multiplying and dividing integers, use the following rules:

- 1) When signs are the **same**, the answer will be **positive**
- 2) When signs are **different**, the answer will be **negative**

- Eg.  $(-4) \times (-5) = +20$  (signs are the same, positive answer)  
 Eg.  $(+4) \times (+5) = +20$  (signs are the same, positive answer)  
 Eg.  $-4 \times 5 = -20$  (signs are different, negative answer)  
 Eg.  $4 \times -5 = -20$  (signs are different, negative answer)

1. Evaluate the following: (*signs are the same*)

- a)  $-5 \times -5 = \underline{\hspace{2cm}}$     b)  $-30 \times -2 = \underline{\hspace{2cm}}$     c)  $21 \div 3 = \underline{\hspace{2cm}}$     d)  $+5 \times (9) = \underline{\hspace{2cm}}$     e)  $6 \times 5 = \underline{\hspace{2cm}}$   
 f)  $-6 \div -3 = \underline{\hspace{2cm}}$     g)  $80 \div +5 = \underline{\hspace{2cm}}$     h)  $0.1 \times 0.3 = \underline{\hspace{2cm}}$     i)  $-4 \div -1 = \underline{\hspace{2cm}}$     j)  $-3 \times -5 = \underline{\hspace{2cm}}$   
 k)  $+6 \times +5 = \underline{\hspace{2cm}}$     l)  $-9 \div (-3) = \underline{\hspace{2cm}}$     m)  $-7 \times (-8) = \underline{\hspace{2cm}}$     n)  $8 \times (+10) = \underline{\hspace{2cm}}$     o)  $0.6 \div 0.2 = \underline{\hspace{2cm}}$   
 p)  $-8 \div (-2) = \underline{\hspace{2cm}}$     q)  $-15 \times -8 = \underline{\hspace{2cm}}$     r)  $132 \div (12) = \underline{\hspace{2cm}}$     s)  $68 \div 5 = \underline{\hspace{2cm}}$     t)  $-6 \div (-5) = \underline{\hspace{2cm}}$

2. Evaluate the following: (*signs are different*)

- a)  $-5 \times 5 = \underline{\hspace{2cm}}$     b)  $40 \times -2 = \underline{\hspace{2cm}}$     c)  $51 \div -3 = \underline{\hspace{2cm}}$     d)  $+2 \times -9 = \underline{\hspace{2cm}}$     e)  $4 \times -2 = \underline{\hspace{2cm}}$   
 f)  $-12 \div 4 = \underline{\hspace{2cm}}$     g)  $-65 \div 5 = \underline{\hspace{2cm}}$     h)  $-6 \times 0.2 = \underline{\hspace{2cm}}$     i)  $-4 \div 12 = \underline{\hspace{2cm}}$     j)  $-2 \times 16 = \underline{\hspace{2cm}}$   
 k)  $6 \times -12 = \underline{\hspace{2cm}}$     l)  $38 \div (-2) = \underline{\hspace{2cm}}$     m)  $-7 \frac{1}{2} \times 8 = \underline{\hspace{2cm}}$     n)  $5 \times -21 = \underline{\hspace{2cm}}$     o)  $0.8 \div -2 = \underline{\hspace{2cm}}$   
 p)  $-24 \div 2 = \underline{\hspace{2cm}}$     q)  $-1.2 \times 0.1 = \underline{\hspace{2cm}}$     r)  $15 \div -12 = \underline{\hspace{2cm}}$     s)  $-50 \div 25 = \underline{\hspace{2cm}}$     t)  $-1 \div 9 = \underline{\hspace{2cm}}$

3. Evaluate the following: (*signs are mixed*)

- a)  $-3 \times -8 = \underline{\hspace{2cm}}$     b)  $20 \times -2.3 = \underline{\hspace{2cm}}$     c)  $63 \div +3 = \underline{\hspace{2cm}}$     d)  $-4 \times -4 = \underline{\hspace{2cm}}$     e)  $-1 \frac{1}{2} \times -3 = \underline{\hspace{2cm}}$   
 f)  $-25 \div 5 = \underline{\hspace{2cm}}$     g)  $-13 \times -2 = \underline{\hspace{2cm}}$     h)  $-25 \div 0.2 = \underline{\hspace{2cm}}$     i)  $-24 \div 8 = \underline{\hspace{2cm}}$     j)  $-\frac{1}{4} \times -88 = \underline{\hspace{2cm}}$   
 k)  $4 \times -1.5 = \underline{\hspace{2cm}}$     l)  $11 \div (-22) = \underline{\hspace{2cm}}$     m)  $4 \frac{1}{2} \times 2 = \underline{\hspace{2cm}}$     n)  $2 \times -5.4 = \underline{\hspace{2cm}}$     o)  $30 \div -5 = \underline{\hspace{2cm}}$   
 p)  $-2.5 \div -5 = \underline{\hspace{2cm}}$     q)  $-1.2 \times -5 = \underline{\hspace{2cm}}$     r)  $-99 \div -9 = \underline{\hspace{2cm}}$     s)  $10 \div 0.2 = \underline{\hspace{2cm}}$     t)  $-1.5 \div 3 = \underline{\hspace{2cm}}$

4. Evaluate the following: (*signs are mixed*)

- a)  $3 \times -5 = \underline{\hspace{2cm}}$     b)  $10 \div -2 = \underline{\hspace{2cm}}$     c)  $5 \div -25 = \underline{\hspace{2cm}}$     d)  $-0.2 \times 3 = \underline{\hspace{2cm}}$     e)  $4 \frac{1}{2} \div 4 = \underline{\hspace{2cm}}$   
 f)  $-25 \div -5 = \underline{\hspace{2cm}}$     g)  $-6 \times -2 = \underline{\hspace{2cm}}$     h)  $15 \div 1.5 = \underline{\hspace{2cm}}$     i)  $-12 \times -8 = \underline{\hspace{2cm}}$     j)  $-4 \frac{1}{4} \times -2 = \underline{\hspace{2cm}}$   
 k)  $-4 \times -2 = \underline{\hspace{2cm}}$     l)  $81 \div (-9) = \underline{\hspace{2cm}}$     m)  $7 \frac{3}{4} \times 4 = \underline{\hspace{2cm}}$     n)  $22 \div -1.1 = \underline{\hspace{2cm}}$     o)  $-6 \times -9 = \underline{\hspace{2cm}}$   
 p)  $3.5 \div 7 = \underline{\hspace{2cm}}$     q)  $-6.4 \div -8 = \underline{\hspace{2cm}}$     r)  $-55 \div 5 = \underline{\hspace{2cm}}$     s)  $10 \div 20 = \underline{\hspace{2cm}}$     t)  $-5.5 \div 11 = \underline{\hspace{2cm}}$

5. Complete the missing values in the tables below:

a)

x	3	-5	1	2		-4
2						
5						
-1						
4						
-7					7	
-3						

b)

$\div$	10	-2	4	2	-4	-1
4						
-5						
6						
-1						
2						
-2						