

Name:

ANSWERS!

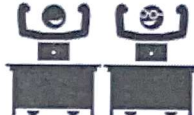
Class:



Communication



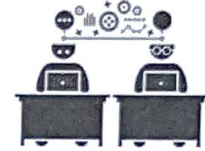
Successful Partnership



Encouragement



Solving Problem Together



Collaboration

Question 01

 $2.6 \times 10^7$  is how many times greater than  $1.3 \times 10^5$ ?
(a)  
20(b)  
200  
 $2 \times 10^2$ (c)  
2,000

$$\frac{1.3 \times 10^5 \times \square \times 10^{\square}}{2.6 \times 10^7}$$

Question 02

 $4.7 \times 10^8$  is how many times greater than  $4.7 \times 10^7$ ?
(a)  
10  
 $1 \times 10^1$ (b)  
100(c)  
1,000

$$\frac{4.7 \times 10^7 \times \square \times 10^{\square}}{4.7 \times 10^8}$$

Question 03

 $7.5 \times 10^9$  is how many times greater than  $2.5 \times 10^4$ ?
(a)  
3,000(b)  
30,000(c)  
300,000  
 $3 \times 10^5$ 

$$\frac{2.5 \times 10^4 \times \square \times 10^{\square}}{7.5 \times 10^9}$$

Question 04

 $8 \times 10^6$  is how many times greater than  $2 \times 10^5$ ?
(a)  
4(b)  
40  
 $4 \times 10^1$ (c)  
400

$$\frac{2 \times 10^5 \times \square \times 10^{\square}}{8 \times 10^6}$$

Question 05

 $4.2 \times 10^{16}$  is how many times greater than  $1.4 \times 10^{14}$ ?
(a)  
3(b)  
30(c)  
300  
 $3 \times 10^2$ 

$$\frac{1.4 \times 10^{14} \times \square \times 10^{\square}}{4.2 \times 10^{16}}$$

Question 06

$7.13 \times 10^7$  is how many times greater than  $7.13 \times 10^4$ ?

(a)  
10

(b)  
100

(c)  
1,000  
 $1 \times 10^3$

$$\begin{array}{r} 7.13 \times 10^4 \\ \times \square \times 10^0 \\ \hline 7.13 \times 10^7 \end{array}$$

Question 07

$5 \times 10^8$  is how many times greater than  $2.5 \times 10^6$ ?

(a)  
20

(b)  
200  
 $2 \times 10^2$

(c)  
2,000

$$\begin{array}{r} 2.5 \times 10^6 \\ \times \square \times 10^0 \\ \hline 5 \times 10^8 \end{array}$$

Question 08

$9.3 \times 10^{17}$  is how many times greater than  $3.1 \times 10^{13}$ ?

(a)  
3,000

(b)  
30,000  
 $3 \times 10^4$

(c)  
300,000

$$\begin{array}{r} 3.1 \times 10^{13} \\ \times \square \times 10^0 \\ \hline 9.3 \times 10^{17} \end{array}$$

BONUS 01

**BONUS Because Place Value Shifts!**

$2.7 \times 10^7$  is how many times greater than  $9 \times 10^6$ ?

(a)  
3

(b)  
30

(c)  
300

$$\begin{array}{r} 9 \times 10^6 \\ \times 3 \\ \hline 27 \times 10^6 \\ \rightarrow \text{same} \leftarrow 2.7 \times 10^7 \end{array}$$

BONUS 02

$3 \times 10^9$  is how many times greater than  $6 \times 10^7$ ?

(a)  
5

(b)  
50

(c)  
500

$$\begin{array}{r} 6 \times 10^7 \\ \times 5 \times 10^1 \\ \hline 30 \times 10^8 \\ \rightarrow \text{same} \leftarrow 3.0 \times 10^9 \end{array}$$