

Name:

ANSWERS!

Class:



Communication



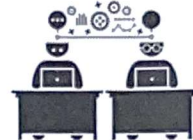
Successful Partnership



Encouragement



Solving Problem Together



Collaboration

Question 01

Select from the below the equivalent expression to $\frac{7^{10}}{7^2}$

(a) 7^5

(b) 7^8

(c) 7^{12}

Question 02

Select from the below the equivalent expression to $\frac{7^{12}}{7^3}$

(a) 7^9

(b) 7^4

(c) $\frac{1}{7^4}$

Question 03

Select from the below the equivalent expression to $\frac{7^6}{7^{-2}}$

(a) $\frac{1}{7^3}$

(b) 7^4

(c) 7^8

$6 - (-2) =$
 $6 + 2 = 8$

Question 04

Select from the below the equivalent expression to $\frac{7^{15}}{7^{-5}}$

(a) 7^{20}

(b) 7^{10}

(c) $\frac{1}{7^3}$

$15 - (-5) =$
 $15 + 5 = 20$

Question 05

Select from the below the equivalent expression to $\frac{7 \cdot (7^3)}{7^2}$

(a) $\frac{1}{7}$

(b) 7

(c) 49

$\rightarrow \frac{7^4}{7^2} = 7^2 = 49$

Question 06

Select from the below the equivalent expression to $\frac{7^{-2} \cdot (7^8)}{7^2}$

(a) 7^4

(b) 7^8

(c) $\frac{1}{7^{18}}$

$\rightarrow \frac{7^6}{7^2} = 7^4$

Question 07

Select from the below the equivalent expression to $\frac{7^{-2} \cdot (7^{-4})}{7^2}$

(a) 7^6

(b) $\frac{1}{7^4}$

(c) $\frac{1}{7^8}$

$\rightarrow \frac{7^{-6}}{7^2} = 7^{-8}$
 $-6 - 2 = -8$

Question 08

Select from the below the equivalent expression to $\frac{7^{-2} \cdot (7^{-4})}{7^{-3}}$

(a) 7^{11}

(b) $\frac{1}{7^3}$

(c) $\frac{1}{7^9}$

$\rightarrow \frac{7^{-6}}{7^{-3}} = 7^{-3}$
 $-6 - (-3) = -3$
 $-6 + 3 = -3$