Exponents Practice Test Question Answers

SET: 1

1. Out of the following, the number which is not equal to (– 8/27) is

◉ A. – (¾)^3

◉ B. – (½)^3

◉ C. – (2/3)^3

◉ D. (2/3)^3

◉ E. (-2/3)^3

Show Answers

2. (-7)^5 ✗ (-7)^3 is equal to

◉ A. (-7)^5

◉ B. (7)^2

◉ C. (-7)-^{5}

◉ D. 7

◉ E. (-7)^8

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3. Which one of the following exponential notation of 648?

◉ A. 3^2 ✗ 4^3

◉ B. 2^3 ✗ 3^4

◉ C. 3^3 ✗ 4^4

◉ D. 2^3 ✗ 4^3

◉ E. 3^3 ✗ 3^3

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4. What is the value of x ? So that

$$\left(\frac{1}{5}\right)^5 \times \left(\frac{1}{5}\right)^{19} = \left(\frac{1}{5}\right)^{8x}$$

◉ A. 1	◉ B. 2
◉ C. 3	◉ D. 4
◉ E. 5	

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5. If $2^{1998} - 2^{1997} - 2^{1996} + 2^{1995} = E2^{1995}$ then the value of E is

◉ A. 1	◉ B. 2
◉ C. 3	◉ D. 4
◉ E. 11	

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6. Which of the following is not equal to 1 ?

◉ A. $\dfrac{2^3 \times 3^2}{4 \times 18}$	◉ B. $\left[(-2)^3 \times (-2)^4\right] \div (-2)^7$
◉ C. $\dfrac{3^0 \times 5^3}{5 \times 25}$	◉ D. $\dfrac{2^4}{(7^0 + 3^0)^3}$
◉ E. NOTA	

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7. Choose one of the following answer to make the statements true

$$\left(\frac{-1}{4}\right)^3 \times \left(\frac{-1}{4}\right)^{?} = \left(\frac{-1}{4}\right)^{11}$$

⦿ A. $(-1/4)^2$	⦿ B. $(-1/4)^3$
⦿ C. $(-1/4)^4$	⦿ D. $(-1/4)^8$
⦿ E. $(-1/4)^9$	

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8. Choose one of the following answer to make the statements true

$$\left(\frac{13}{14}\right)^5 \div (\underline{?})^2 = \left(\frac{13}{14}\right)^3$$

⦿ A. (14/15)	⦿ B. (13/14)
⦿ C. (13/15)	⦿ D. (12/13)
⦿ E. (14/16)	

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9. 340900000 = 3.409 × $10^{?}$

⦿ A. 10^2	⦿ B. 10^4
⦿ C. 10^8	⦿ D. 10^{12}
⦿ E. 10^{16}	

Show Answers

10. Find the value of $(6/13)^{10} \div [(6/13)^5]^2 = ?$

⊙ A. $(6/13)$	⊙ B. $(6/13)^2$
⊙ C. $(7/13)^5$	⊙ D. $(3/7)^2$

⊙ E. $(6/11)^2$

Show Answers