

ACTIVITY 1 .

NAME:SECTION CLASS VIII

1. Choose the most correct response

Which of the following is the standard form of each expression

a. $3 \times 10^4 + 2 \times 10^2 + 7 \times 10^{-4} + 4 \times 10^{-6}$

i. 30200.000704

ii. 300020.00074

iii. 30200.00074

iv. 30200.000074

b. $5 \times 10^{-2} + 4 \times 10^{-5} + 6 \times 10^{-8}$

i. 0.05004006

ii. 0.00504006

iii. 0.05004006

iv. 0.50004006

c. $5 \times 10^5 + 6 \times 10^2 + 3 \times 10^0 + 7 \times 10^{-5} + 8 \times 10^{-6}$

i. 500633.000078

ii. 506300.000078

iii. 500603.000078

iv. 560030.000078

2. Which of the following is the exponential form of each

a. 405.006205

i. $4 \times 10^2 + 5 \times 10^0 + 6 \times 10^{-2} + 2 \times 10^{-3} + 5 \times 10^{-5}$

ii. $4 \times 10^2 + 5 \times 10^0 + 6 \times 10^{-3} + 2 \times 10^{-4} + 5 \times 10^{-5}$

iii. $4 \times 10^2 + 5 \times 10^0 + 6 \times 10^{-3} + 2 \times 10^{-4} + 5 \times 10^{-7}$

iv. $4 \times 10^2 + 5 \times 10^0 + 6 \times 10^{-3} + 2 \times 10^{-4} + 5 \times 10^{-6}$

b. 0.00030506

i. $3 \times 10^{-4} + 5 \times 10^{-6} + 6 \times 10^{-8}$

ii. $3 \times 10^{-4} + 5 \times 10^{-5} + 6 \times 10^{-8}$

iii. $3 \times 10^{-4} + 5 \times 10^{-5} + 6 \times 10^{-8}$

iv. $3 \times 10^{-3} + 5 \times 10^{-6} + 6 \times 10^{-8}$

c. The value of 2^{-3} is

i. 8

ii. $\frac{1}{8}$

iii. 0.8

iv. -8

d. The sum of $65 \times 10^{-2} + 5 \times 10^{-3}$ is

i. 0.75

ii. 0.605

iii. 0.655

iv. 6.55

e. The product of $10^{-4} \times 10^{-6}$ is

i. 0.0000001

ii. 0.00000001

iii. 0.000000001

iv. 0.0000000001