

Name:

Period:



Unit 3 Practice Test
No Calculators

Question 01

$$5,123,000 \approx 5.1 \times 10^a$$

$a =$

Question 02

$$389,123 \approx 3.9 \times 10^a$$

$a =$

Question 03

$$109,839,123,000 \approx 1.1 \times 10^a$$

$a =$

Question 04

$$0.0000919 \approx 9.2 \times 10^a$$

$$a =$$

Question 05

$$0.000471 \approx 4.7 \times 10^a$$

$$a =$$

Question 06

$$0.00009999 \approx 1.0 \times 10^a$$

$$a =$$

Question 07

$$282,521,825 \approx 2.8 \times 10^a$$

$$a =$$

Question 08

$$(6.1 \times 10^4) + (2.3 \times 10^3) =$$

- a) 2.91×10^4
- b) 2.91×10^3
- c) 6.33×10^4
- d) 6.33×10^3

Question 09

$$(4.7 \times 10^6) + (1.5 \times 10^7) =$$

- a) 1.97×10^7
- b) 1.97×10^6
- c) 4.85×10^7
- d) 4.85×10^6

Question 10

$$(4.3 \times 10^{-7}) + (3.1 \times 10^{-8}) =$$

- a) 4.61×10^{-8}
- b) 4.61×10^{-7}
- c) 3.53×10^{-7}
- d) 3.53×10^{-8}

Question 11

$$(3.3 \times 10^{-6}) + (1.1 \times 10^{-5}) =$$

- a) 3.41×10^{-5}
- b) 3.41×10^{-6}
- c) 1.43×10^{-6}
- d) 1.43×10^{-5}

Question 12

$$(7.7 \times 10^8) + (5.5 \times 10^6) =$$

- a) 7.755×10^6
- b) 7.755×10^8
- c) 5.577×10^8
- d) 5.577×10^6

Question 13

$$(8.9 \times 10^5) - (5.1 \times 10^4) =$$

- a) 8.39×10^5
- b) 8.39×10^4
- c) 4.21×10^4
- d) 4.21×10^5

Question 14

$$(6.3 \times 10^7) - (9.2 \times 10^6) =$$

- a) 5.38×10^7
- b) 5.38×10^6
- c) 8.57×10^6
- d) 8.57×10^7

Question 15

$$(8.5 \times 10^{-4}) - (1.3 \times 10^{-5}) =$$

- a) 4.5×10^{-5}
- b) 4.5×10^{-4}
- c) 8.37×10^{-5}
- d) 8.37×10^{-4}

Question 16

The product of 2.5×10^3 and 3×10^3 is 7.5×10^a .

$a =$

Question 17

The product of 2.2×10^{-7} and 4×10^{-2} is 8.8×10^a .

$$a =$$

Question 18

$$\frac{6 \times 10^{10}}{2 \times 10^3} = 3 \times 10^a$$

$$a =$$

Question 19

$$\frac{9 \times 10^7}{3 \times 10^{-4}} = 3 \times 10^a$$

$$a =$$

Question 20

The product of 3×10^4 and 5×10^6 is 1.5×10^a .

$$a =$$