



Assessment

Mathematics: Lesson02



Question 1

$\sqrt{\frac{25}{81}}$ is a/an

- A. natural number
- B. integer
- C. irrational number
- D. rational number

Question 2

-3 is a

- A. natural number
- B. integer
- C. irrational number
- D. Whole number

Question 3

$\sqrt{3}$ is a/ an

- A. rational number
- B. integer
- C. real number
- D. none of the above

Question 4

Evaluate: $4[3 + 7(9^2)]$

- A. 2280
- B. 15,888
- C. 69,696
- D. 17,424

Question 5

Evaluate: $\frac{240}{8} - 3$

A. 229

B. 27

C. 235

D. 48

Question 6

Evaluate: $[(2 + 1 \times 5) - 3]^3$

A. 1728

B. 64

C. -20

D. 84

Question 7

Evaluate: 6^4

A. 1296

B. 24

C. 216

D. 7776

Question 8

The exponent of $9(rt)^5$

A. 9

B. $9rt$

C. 5

A. rt

Question 9

Evaluate: $(-5)^4$

A. -625

B. 625

C. -20

D. 20

Question 10

Evaluate: $(7.2)^2$

A. 28

B. 81

C. 196

D. 98

Question 11

Select the equation that illustrates the inverse property.

A. $10 + (-10) = 0$

B. $10 + 0 = 10$

C. $10 \times 5 = 5 \times 10$

A. $10 \times (5 + 3) = 10 \times 5 + 10 \times 3$

Question 12

Select the equation that illustrates the commutative property.

A. $11 \times (5 \times 8) = (11 \times 5) \times 8$

B. $11 \times 5 = 5 \times 11$

C. $11 \times (5 + 8) = 11 \times 5 + 11 \times 8$

D. $11 + 0 = 11$

Question 13

Select the equation that illustrates the identity property.

A. $3 \times 7 = 7 \times 3$

B. $3 + (7 + 4) = (3 + 7) + 4$

C. $3 + (-3) = 0$

D. $3 + 0 = 3$

Question 14

Select the correct property that describes the given equation.

$$15 + 0 = 15$$

- A. Associative property of multiplication
- B. Identity property of addition
- C. Inverse property of addition
- D. Commutative property of addition
- E. Distributive property of multiplication
- F. Associative property of addition

Question 15

Select the correct property that describes the given equation.

$$9 + 7 + 6 = 9 + 6 + 7$$

- A. Associative property of multiplication
- B. Identity property of addition
- C. Inverse property of addition
- D. Commutative property of addition
- E. Distributive property of multiplication
- F. Associative property of addition

Question 16

Select the correct property that describes the given equation.

$$10 + (2 + 6) = (10 + 2) + 6$$

- A. Associative property of multiplication
- B. Identity property of addition
- C. Inverse property of addition
- D. Commutative property of addition
- E. Associative property of addition

Question 17

Distributive property of multiplication

$$(xy)z = x(yz)$$

- A. Associative property of multiplication
- B. Identity property of addition
- C. Inverse property of addition
- D. Commutative property of addition
- E. Distributive property of multiplication
- F. Associative property of addition

Question 18

$$|121| + |-15| = |136|.$$

A. True

B. False

Question 19

$$|-8| + |-1| = |9|$$

- A. True
- B. False

Question 20

$$9 \times (5 + 7) = 9 \times 5 + 9 \times 7$$

A. True

B. False