

16. What is the value of any number raised to the power of 0?

- A) Alpha (?) B) 0
C) 1 D) (-1)

17. What is the value of $625^{>0</sup>}$?

- A) 1 B) 0
C) 25 D) 525

18. Which is equal to $(a+b)^{>2</sup>} - (a-b)^{>2</sup>}$

- A) 2ab B) 4ab
C) 3ab D) 5ab

19. What is the value of adding $(5x+2y)$, $(4x - 7z)$ and $(15z - 3y)$?

- A) $x - 9y + 8z$ B) $9x + y - 8z$
C) $x + 9y + 8z$ D) $9x - y + 8z$

20. What is the value of x, if $x^{>120</sup>} = 960$?

- A) 10 B) 8
C) 6 D) 7

21. Which is the formula for $a^{>m</sup>} / a^{>n</sup>}$

- A) $a^{>m+n</sup>}$ B) $a^{>m-n</sup>}$
C) $a^{>mxn</sup>}$ D) $(a^{>m</sup>})^{>n</sup>}$

22. Which is the expansion of $a^{>3</sup>} + b^{>3</sup>}$?

- A) $a^{>3</sup>} + b^{>3</sup>} + 3ab$ B) $a^{>3</sup>} - b^{>3</sup>} + 3ab$ $(a-b)$
C) $(a-b)(a^{>2</sup>} + b^{>2</sup>} - ab)$ D) $(a+b)(a^{>2</sup>} + b^{>2</sup>} - ab)$

23. What is the value of $x^{>2</sup>} - y^{>2</sup>}$ if $(x+y) = 9$, $(x - y) = 4$?

- A) 36 B) 46
C) 13 D) 65

24. What is the value of $(6^{>3</sup>} / (-3)^{>3</sup>})$?

- A) (-27) B) (-8)
C) 8 D) 27

25. What is the value of 'X' if $x - y = 6$ and $x + y = 8$?

- A) 7 B) 6
C) 5 D) 14

26. Which is equal to $(a^{>m</sup>})^{>n</sup>}$?

- A) $a^{>m+n</sup>}$ B) $a^{>mn</sup>}$
C) $a^{>m-n</sup>}$ D) $a^{>m/n</sup>}$

27. What is the formula for $a^{>m</sup>} \times a^{>n</sup>}$?

- A) $a^{>m+n</sup>}$ B) $a^{>mn</sup>}$
C) $n.a^{>m</sup>}$ D) $a^{>m-n</sup>}$

28. What is the value of $1 / a^{>-5</sup>}$?

- A) $a^{>5</sup>}$ B) $a^{>-5</sup>}$
C) (-5a) D) 5a

29. What is the value of $(a^{>5</sup>})^{>7</sup>}$?

- A) $a^{>12</sup>}$ B) $a^{>35</sup>}$
C) $a^{>2</sup>}^1$ D) $a^{>22</sup>}$

30. What is the value of x if $13+x = 20$?

- A) 13 B) 8
C) 9 D) 7

31. What is the expanded form of $(a+b)^{>2</sup>}$?

- A) $a^{>2</sup>} + 2ab - b^{>2</sup>}$ B) $(-a^{>2</sup>} - 2ab + b^{>2</sup>})$
C) $a^{>2</sup>} + 2ab + b^{>2</sup>}$ D) $a^{>2</sup>} - 2ab + b^{>2</sup>}$

32. What is the value of $12x^{>3</sup>}y^{>2</sup>} / 4x^{>2</sup>}y$?

- A) 3xy B) 16xy
C) (-3xy) D) 8xy