Al Foaa C2 School

دائـــرة التـعـلـيـم والـمـعـرفـة
DEPARTMENT OF EDUCATION AND KNOWLEDGE

Final Exam Revision WorkSheets-Trimester(2)-2017/2018

Student Name: ---------- Grade 7( ) Date:---/06/2018

Choose the correct answer.

(1)Evaluate the expression $3(y^2+1)$ if y = -3.

a. 15 b. -6
c. 21 d. 30

(2)Evaluate the expression $\frac{(5+g)^2}{2}$ if g = -1.

a. 3 b. 6

c. 8 d. 18

(3) Evaluate the expression 8w -2v if w = 5 and v = 3.

a. 32 b. 34

c. 60 d. 62

(4) Evaluate the expression $4n^3+2$ if n = 3.

a. 100 b. 104

c. 108 d. 110

(5) Find the next three terms in the sequence 2, 5, 8, …

a. 11, 12, 15 b. 11, 14, 17

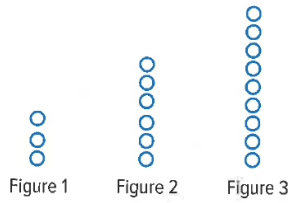
c. 9, 10, 12 d. 16, 24, 32

(6) Find the next three terms in the sequence 0.4, 0.6, 0.8, 1.0, …

a. 1.1, 1.3, 1.5 b. 1.2, 1.4, 1.6

c. 1.4, 1.6, 1.8 d. 2.2, 2.4, 2.6

(7) If the pattern continues, what algebraic expression can be used to find the number of circles used in any figure?



a. 3+n b. 3n

c. n^3 d. $\frac{n}{3}$

(8) The following statement 16 + (c + 17) =

a. 16 – (c + 17) b. (c + 17) - 16

c. (16 + c) + 17 d. 16c + 33

(9) Name the property shown by 2 . (5 . n) = (2 . 5) . n

a. Commutative property b. Associative property

c. Additive Identity d. Multiplicative Identity

(10) Name the property shown by 8(-9 + c) = 8(-9) + 8c

a. Commutative property b. Associative property

c. Multiplicative Identity property d. Distributive property

(11) Name the property shown by 7c + 0 = 7c.

a. Commutative property b. Associative property

c. Additive Identity d. Multiplicative Identity

(12) Use the Distributive Property to rewrite 7(2x – 3y).

a. 14x - 3y b. 9x - 10y

c. 14x + 21y d. 14x - 21y

(13) Use the Distributive Property to rewrite $\frac{1}{3}$(x – 6).

a. $\frac{1}{3}$x - 2 b. $\frac{1}{3}$x - 6

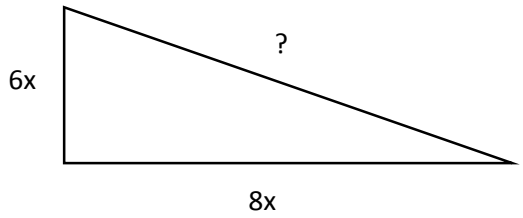
c. $\frac{1}{3}$x - 3 d. 3x - 2

(14) Use the Distributive Property to rewrite $\frac{1}{5}$(g – 15).

a. $\frac{1}{5}$g - 2 b. $\frac{1}{5}$g - 3

c. $\frac{1}{3}$g - 10 d. 5g - 3

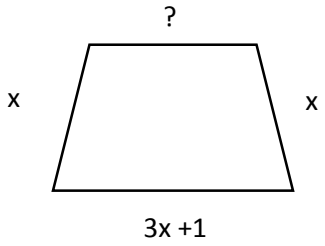
(15) The perimeter of the triangle shown is 24x units. Find the length of the missing side.



a. 10x b. 14x

c. 48x d. 2x

(16) The perimeter of the figure shown is (6x + 2) units. Find the length of the missing side.



a. x + 1 b. x - 1

c. 3x + 3 d. 11x + 3

(17) Factor the expression 2x + 14y

a. 2x(1 + 7y) b. 2(x + 7y)

c. 2(x + 7) d. 7(2x + y)

(18) Factor the expression $3x + 33xy$

a. $x(3 + 11xy)$ b. $3(x + 33y)$

c. $3x(1 + 11y)$ d. $3(x + xy)$

(19) Solve the equation $-5x + 8 = -2$.

a. -2 b. 2

c. -10 d. 10

(20) Subtract $\frac{1}{2}(6x - 10) - (3x - 1)$.

a. -4 b. $3x - 4$

c. $6x - 4$ d. $3x - 11$

(21) Khalid is saving money to buy a bike that costs AED 756. He has saved AED 396 so far. He plans on saving AED 40 each week. In how many weeks will he have enough money to buy the bike?

a. $756 = 396 - 40w$; 7 weeks b. $756 = 396 + 40w$; 8 weeks

c. $756 = 396 + 40w$; 9 weeks d. $756 = 396 - 40w$; 10 weeks

(22) Aysha is saving money to buy a camera that costs AED 600. She has saved AED 200 so far. She plans on saving AED 50 each week. In how many weeks will she have enough money to buy the camera?

a. 7 weeks b. 8 weeks

c. 9 weeks d. 10 weeks

(23) Abeer bought a necklace for each of her three sisters. She paid AED 28 for each necklace. Suppose she had AED 39 left. Write an equation to find how much money Abeer had initially to spend on each sister.

a. $3(m - 28) = 39$ b. $3(m - 39) = 28$

c. $3m - 28 = 39$ d. $3m - 39 = 28$

(24) Solve the inequality $7 - 3x \leq 16$.

a. $x \geq -3$ b. $x > -3$

c. $x \leq -3$ d. $x < -3$

(25) Write an inequality: The sum of a number and 19 is at least 8.2

a. $19 + x \geq 8.2$ b. $19 + x > 8.2$

c. $19 + x \leq 8.2$ d. $19 + x < 8.2$

(26) Write an inequality: Eight less than a number is no more than 10.

a. $x - 8 \geq 10$ b. $8 - x > 10$

c. $x - 8 \leq 10$ d. $8 - x < 10$

(27) Write an inequality: The quotient of a number and -5 increased by one is at most 7.

a. ≥ 7 b. > 7

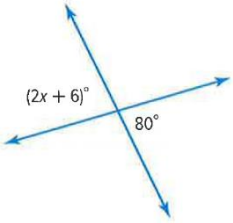
c. ≤ 7 d. < 7

(28) Solve the inequality: $\frac{t}{-4} < -11$

a. $t > 44$ b. $t \geq 15$

c. $t < 44$ d. $t \leq 15$

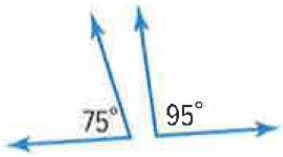
(29) What is the value of x in the figure at the right?

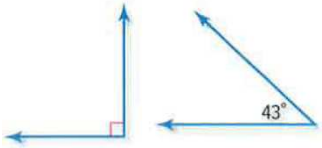


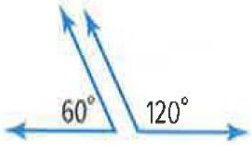
a. 35° b. 37°

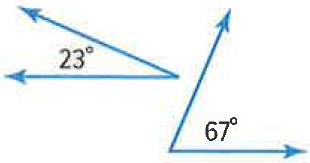
c. 40° d. 74°

(30) Which angle pair below are supplementary?

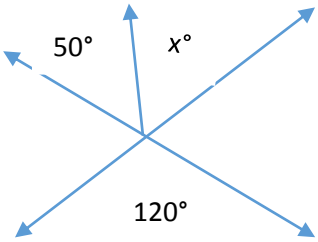
a. 

b. 

c. 

d. 

(31) What is the value of x in the figure at the right?



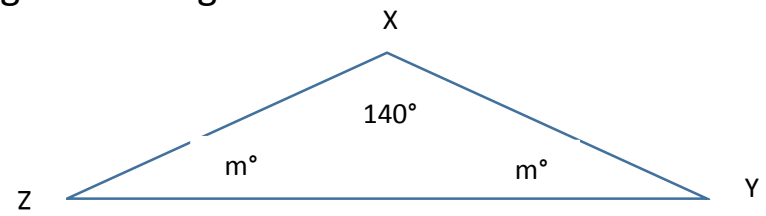
a. 50° b. 60°

c. 70° d. 120°

(32) Find the value of x in the triangle at the right.

a. 20° b. 40°

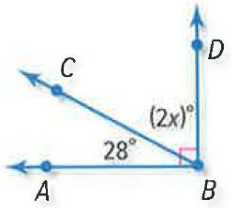
c. 60° d. 80°



(33) Find the value of x in the triangle at the right.

a. 28° b. 31°

c. 90° d. 100°



(34) In △ ABC, if m∠A = 30° and m∠ B = 60° then, the triangle is

a. isosceles triangle b. acute angle triangle

c. right angle triangle d. obtuse angle triangle

(35) A triangle with one obtuse angle and two congruent sides is

a. equilateral triangle b. scalene triangle

c. isosceles triangle d. acute triangle

(36) A tree is 3 meters long. Find the length of a scale model of the tree if the scale is 1 centimeter = 50 centimeters.

a. 6 cm b. 6 m

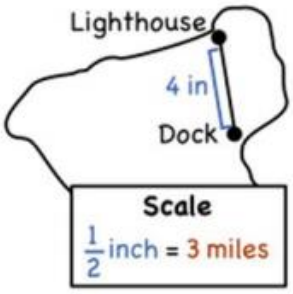
c. 60 cm d. 150 cm

(37) A graphic artist is creating an advertisement for this cell phone. If she uses a scale of 5 centimeters = 1 centimeter, what is the length of the cell phone on the advertisement?

a. 2 cm b. 5 cm

c. 15 cm d. 50 cm

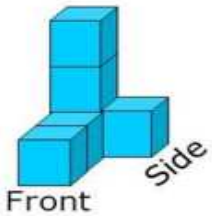
(38) Actual distance on map from the Lighthouse to Dock is



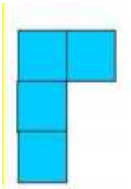
a. 24 miles b. 12 inches

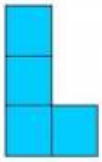
c. 1.5 miles d. 8 miles

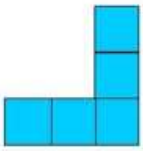
(39) Cubes with top, front and side views are shown.

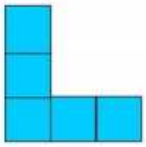


What is the view from the top?

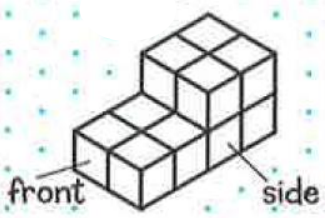
a. 

b. 

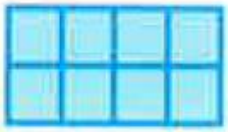
c. 

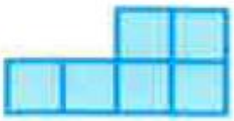
d. 

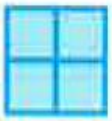
(40) Cubes with top, front and side views are shown.

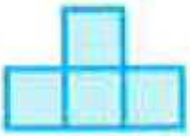


What is the view from the side?

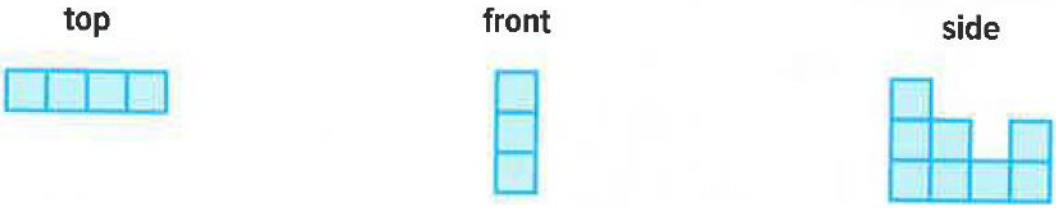
a. 

b. 

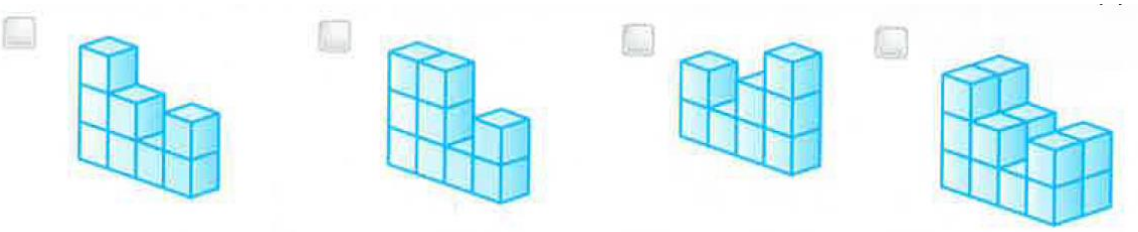
c. 

d. 

(41) The top, side, and front view of a figure made of cubes are show.



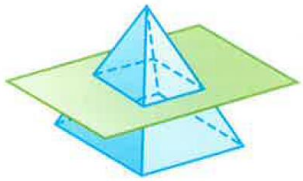
Which of the following can be represented by these views?



(42) Describe the shape resulting from the cross section below.

a. circle b. square

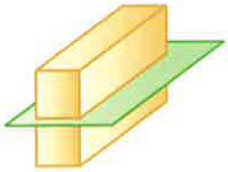
c. rectangle d. triangle



(43) Describe the shape resulting from the cross section below.

a. circle b. square

c. rectangle d. triangle



(44) Describe the shape resulting from the cross section below.

a. circle b. square

c. rectangle d. triangle

All Best Wishes Dear Students ... !

Ms. Suha Abdelhadi