Giza governorate

October gardens zone

Grade: (7)

Math department

Subject: Math

Time: 2 hours

1st term exam 2024 – 2025

Model (B)

1) Choose the correct answer:

1) From the opposite stem- and-leaf plot,
   What is the median?

Stem	Leaves
0	9
1	0 2 2 2 3 4 5 6 6
2	0 1 1 5 7 8 9
3	1 2 3
Key	3	2 means 32

   a) 16   b) 17

   c) 18   d) 20

2) If the point (x , 7) lies on Y-axis, then the value of 5x + 1 is ……………

   a) 0   b) 1   c) 5   d) 6

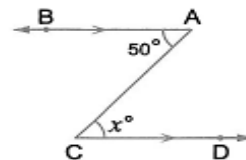3) If $\frac{x}{20} = \frac{3}{4}$, then value of x is ……………

   a) 5   b) 8   c) 10   d) 15

4) Which of the following equal 8Y?

   a) 5 + 3Y   b) 3 + 5Y   c) 8 + Y   d) 3Y + 5Y

5) In the opposite figure:

   What is the value of x?

   a) 40°   b) 50°   c) 60°   d) 130°

6) If m (∠ B) = 150°, then m (reflex ∠B) = ………..°

   a) 30   b) 20   c) 110   d) 210

7) The measure of each angle of regular hexagon equal …………..°

   a) 60   b) 108   c) 120   d) 135

8) The two diagonals are perpendicular and equal in ………………

   a) Square   b) Rhombus   c) Rectangle   d) Parallelogram

9) If the point (x , 7) lies on Y-axis, then the value of 5x + 1 is ……………

   a) 0   b) 1   c) 5   d) 6

2) Answer the following questions:

1) Given: A = { 4 , 3 , 5 , 11} , B = { 4 , 7 , 11 } , find:

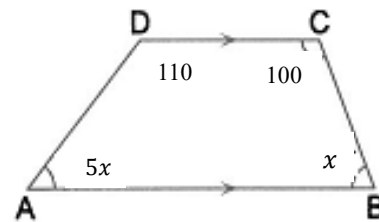   a) $A \cup B$ B) $A \cap B$

2) If the price of a mobile phone in a store is 15 550 L.E and its price was reduced by 10% what will be the price after the discount?

3) **In the opposite figure:**

   ABCD is a trapezium

   find with prove: the value of x

4) ABCD is a parallelogram in which the points A (5 , 4), B (3 , 1) and C (-4 , 1) , find:

   a) Coordinated of the diagonals intersection.

   b) The coordinate of point D

5) If the scale on the map is 1: 600,000 and the distance between two points on the map is 4.5cm, find the real distance between the two points.

6) Find the solution set of the equation $4 (2x + 7) = 12$ in N ?

7) Divide an amount of 9600 L.E among three individuals in the ratio of 4: 5 : 6 what is the share of each individual?