

# مراجعات النخبة

بنك الأسئلة

*Math Review  
for April 2025*



## Mathematics



Primary  
Second Term

prepared by:

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Exclusive Manager

Mr. Amr Mohi

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**Trust Academy  
Online**

**مراجعات النخبة  
من  
تراست أكاديمي اونلاين  
2025**

**أكاديمية تراست  
اونلاين  
ابتدائي-إعدادي-ثانوي**

لغات - تجريبي - عربي - أزهرى

ناشيونال - انترناشيونال

(مناهج امريكي - كامبردج - مناهج خليجية)



- متاح حجز مجموعات الشرح الشهرية
- مع فريق اساتذة اعداد مراجعات النخبة
- أنظمة مجموعات شهرية تناسب الجميع
- مجموعات تأسيس لجميع المواد والاعمار
- قسم خاص للغات الاجنبية



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▶ Choose the correct answer :.

1- The product of any number by its reciprocal equals

- A. zero                      B. 1                      C.  $\frac{3}{5}$                       D.  $\frac{5}{3}$

2- If  $34 \times 78 = 2,652$  then  $26.52 \div 3.4 =$

- A. 78                      B. 0.78                      C. 7.8                      D. 8.7

3- Which of the following is a unit rate?

- A. 35 L.E. for 5 kg                      B. 60 km per 60 minutes  
C.  $\frac{1}{2}$  kg of flour per cake                      D. 140 L.E. per 2 days

4- If 30 L.E. for 6 kg. then the cost of 30 kg is LE.

- A. 6                      B. 150                      C. 24                      D. 120

5- If the ratio  $x:3$  is equivalent to  $10:15$ . then  $x + 2 =$  .....

- A. 2                      B. 4                      C. 6                      D. 10

6-  $5 \div \frac{2}{3} = 5 \times$  .....

- A.  $\frac{2}{3}$                       B.  $\frac{3}{2}$                       C.  $\frac{10}{3}$                       D.  $2\frac{1}{3}$

مراجعات النخبة



7- Which value is NOT equivalent to 45%?

- A. 0.45
- B.  $\frac{9}{40}$
- C.  $\frac{45}{100}$
- D. 4.5

8- 5 to 10 = .....%

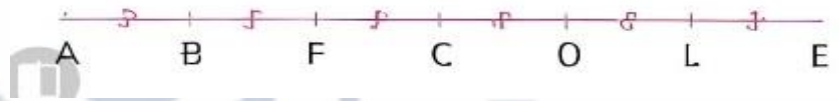
- A. 50
- B. 5
- C. 0.5
- D. 20

9-  $\frac{3}{4} \div 2 =$  .....

- A.  $\frac{3}{8}$
- B.  $\frac{6}{4}$
- C.  $\frac{4}{6}$
- D.  $\frac{3}{2}$

10- From the opposite figure.

AD: BC) = .....( in the simplest form)



- A. 5:3
- B. 2:1
- C. 4:3
- D. 3:5

11- ..... gm = 30kg

- A. 0.03
- B. 3,000
- C. 300
- D. 30,000

12- Which of the following is a unit rate?

- A. 60 sec per min
- B. 6 kg per 3 liters
- C. 2 km per 60 min
- D. 16 grams per a cup



13- If the price of a watch is 350 L.E., then 1% of its price is ..... L.E.

- A. 3.5                      B. 35                      C. 0.35                      D. 0.035

14- If  $15.25 \div 0.05 = 305$ , then  $152.5 \div 0.5 = \dots\dots\dots$

- A. 30.5                      B. 3.05                      C. 305                      D. 3.5

15- If  $\frac{x}{5} = 20\%$ , then  $x = \dots\dots\dots$

- A. 2                      B. 1                      C. 4                      D. 5

16- A car consumes  $\frac{1}{10}$  liter of petrol to cover 1 km, then it covers ..... km per liter.

- A. 10                      B. 20                      C. 5                      D. 1

17- The unit rate from the opposite tape diagram is .....



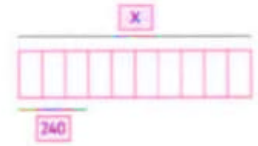
- A. 20 days per km                      B. 120 km per 6 days  
C. 6 days per 120 km                      D. 20 km per day

18- If the price of a ball is 120 L.E., then 10% of its price is ..... L.E.

- A. 1.2                      B. 12                      C. 0.12                      D. 0.012



19- From the opposite tape diagram.



- A. 80
- B. 800
- C. 60
- D. 600

20-  $\frac{3}{5} \div \dots\dots\dots = 1$

- A.  $\frac{5}{3}$
- B. 1
- C.  $\frac{3}{5}$
- D.  $1\frac{1}{3}$

21- From the opposite table. the value of unknown= .....

Whole	Part	Percent
Unknown	120	40 %

- A. 30
- B. 480
- C. 300
- D. 120

22- If the ratio between two numbers is 2:5 and the greater number is 20 then the smaller number is .....

- A. 8
- B. 50
- C. 10
- D. 16





28- The simplest form of 12: 24 is

- A. 1:4                      B. 1 to 2                      C. 2:4                      D. 4:8

29- Which of the following points lies on the x-axis?

- A. (5,0)                      B. (0,3)                      C. (1,1)                      D. (6,2)

30- 6 km per hour = ..... m per min

- A. 6,000                      B.  $\frac{1}{10}$                       C. 0.01                      D. 100

31- 60 meters per hour = ..... meter(s) per min.

- A. 3,600                      B. 120                      C. 360                      D. 1

32-  $\frac{4}{7} \div \frac{1}{7} = \dots\dots\dots$

- A. 4                      B.  $\frac{3}{7}$                       C. 7                      D.  $\frac{7}{4}$

33-  $\frac{1\text{ m}}{\dots\dots\dots}$  is NOT a conversion factor.

- A. 100 cm                      B. 1,000 mm  
C. 0.001 km                      D. 60 min

34-  $4.8\text{L} \times \frac{\dots\dots\dots}{\dots\dots\dots} = 4,800\text{ mL}$

- A.  $\frac{100\text{ mL}}{1\text{L}}$                       B.  $\frac{1,000\text{ L}}{1\text{ mL}}$   
C.  $\frac{1,000\text{ mL}}{1\text{ L}}$                       D.  $\frac{1\text{ L}}{1,000\text{mL}}$



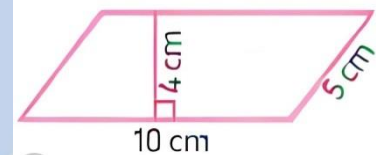
35-  $72.3 \div 0.01 = \dots\dots\dots$

- A. 7,230      B. 0.723      C. 7.23      D. 72.3

36- To find the simplest form of the ratio 12:18. we divide the two terms by.....

- A. 1      B. 2      C. 8      D. 6

37- The area of the opposite parallelogram = .....  $\text{Cm}^2$



- A. 50      B. 40      C. 20      D. 30

38- The image of the point (3,0) by reflection across x-axis is .....

- A. (-3,0)      B. (0,-3)      C. (3,0)      D. (0,3)

39- If  $34 \times 25 = 850$  then  $8.5 \div 3.4 = \dots\dots\dots$

- A. 25      B. 2.5      C. 0.25      D. 250

40- The area of the rhombus of side length 7 cm and height 4 cm is .....  $\text{Cm}^2$

- A.  $7+4$       B.  $(7 + 4) \times 2$       C.  $7 \times 4$       D.  $(7 \div 4) \times 2$



41- How many  $\frac{3}{4}$ 's are there in 6 oranges?

- A.  $4\frac{1}{2}$       B.  $\frac{18}{4}$       C. 7      D. 8

42- If the area of the parallelogram is  $56 \text{ Cm}^2$  and its height is 7 cm, then its base length = ..... cm

- A. 63      B. 49      C. 8      D. 6

43- The distance between A and B is ..... units.



- A. 7      B. 1      C. 9      D. 5

44- ..... gm = 20 kg

- A. 0.02      B. 2,000      C. 200      D. 20,000

45- The distance between A and B is 7 units , then x =.....

- A.-3.2      B.3.2      C. 4.8      D.-4.8

46- If 10% of pupils in the class = 7 pupils, then the total number of pupils in the class = .....

- A. 20      B.70      C. 200      D. 500





47- The distance between the point (- 7,- 3) and its image by reflection across the y-axis is ..... units.

- A. 8                      B. 6                      C. 14                      D. 7

48- If the two points A (6,1) and B (3,1) are two vertices in a right triangle ABC then the point C could be

- A. (4,-1)                B. (3,-1)                C. (5,-1)                D. (4,1)

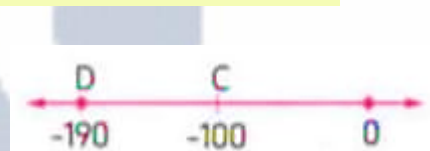
49-  $\frac{3}{4} \div 4 = \dots\dots\dots$

- A.  $\frac{3}{8}$                       B.  $\frac{3}{16}$                       C. 3                      D.  $\frac{1}{3}$

50- The point (- 1,  $1\frac{1}{2}$ ) lies in the ..... quadrant.

- A. first                      B. second                      C. third                      D. fourth

51- In the opposite figure, the distance between the two points C and D is units.



- A. 90                      B. 290                      C. 100                      D. 190

52- 40% of a number = ..... % of half of the same number.

- A. 10                      B. 20                      C. 80                      D. 100

53- Which of the following ratios are equivalent ?

- A.  $\frac{18}{36}$  and  $\frac{3}{6}$                       B. 5 to 7 and 7 to 9  
C.  $\frac{9}{32}$  and  $\frac{3}{8}$                       D. 6 to 9 and 3:2



54- The image of the point (2,- 4) by reflection across the x-axis is .....

- A. (-2,4)      B. (-2,-4)      C. (2,4)      D. (4,2)

55- Which of the following is not a conversion factor?

- A.  $\frac{60 \text{ min}}{1 \text{ Sec}}$       B.  $\frac{1,000m}{1km}$       C.  $\frac{1L}{1,000 mL}$       D.  $\frac{1 \text{ day}}{24 \text{ hours}}$

56- The point ..... lies in the 3rd quadrant.

- A. (-1,0)      B. (-2,-3)      C. (0,-4)      D. (1,1)

57- If 2 : 7 is equivalent to x : 14, then x = .....

- A. 49      B. 4      C. 9      D. 2

58- Moving the point (3,4) 3 units to the right and 5 units down, then the end point is .....

- A. (0,9)      B. (6,-1)      C. (0,-1)      D. (6,9)

59-  $28\% + 31\% =$  .....

- A. 59      B. 0.59      C. 100%      D. 3%

60- If Ali bought 9 kg of oranges for 36L.E., then the price of each kg = .....L.E.

- A. 36      B. 9      C. 4      D. 3

61- The point (0, 7) lies in/on .....

- A. Y-axis      B. X-axis  
C. 3rd quadrant      D. 4th quadrant



62- Which point is a reflection of (1, 8) across the y-axis on a coordinate plane?

- A. (1,-8)      B. (-1,-8)      C. (8,1)      D. (-1,8)

63-  $1-25\% = \dots\dots\dots$

- A. 25%      B. 75      C. 0.75      D. 85%

64- 30% of 120 =  $\dots\dots\dots$

- A. 45      B. 35      C. 36      D. 46

65- If the percentage of success in a school is 81%, then the percentage of failure is  $\dots\dots\dots\%$

- A. 81      B. 20      C. 19      D. 40

66- From the opposite table, the value of the unknown =  $\dots\dots\dots$

Whole	Part	Percent
Unknown	38	40%

- A. 48      B. 45      C. 38      D. 95

67- A point both of its coordinates are negative lies in  $\dots\dots\dots$  quadrant.

- A. 1<sup>st</sup>      B. 2<sup>nd</sup>      C. 3<sup>rd</sup>      D. 4<sup>th</sup>



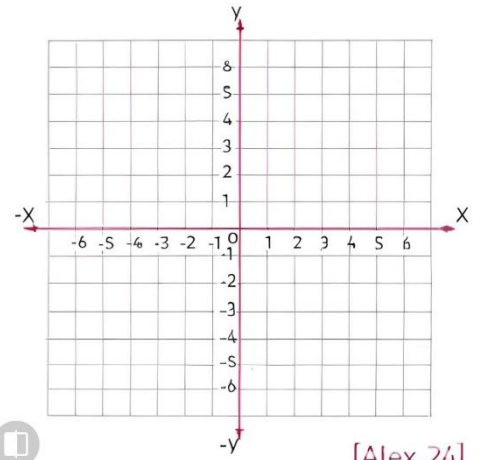
Answer the following :

1- In the opposite coordinate plane:

a. Graph the points:

A(4, - 2), B(4, 2), C(- 4,2) and D(- 4, - 2)

b. Connect the points what is the name of the figure ABCD?

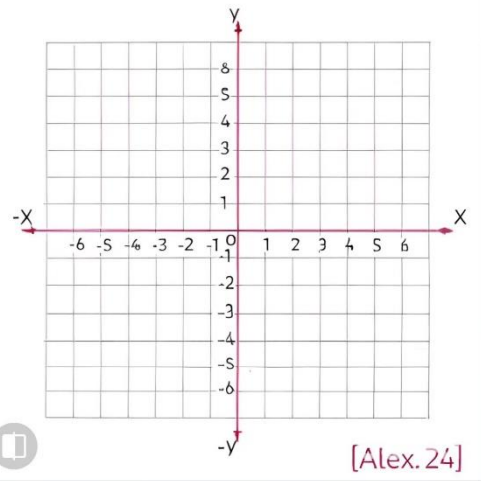


2- Plot the points on the coordinate grid:

A(3, - 3) , B(- 3 , - 1) , C(2 , 2)

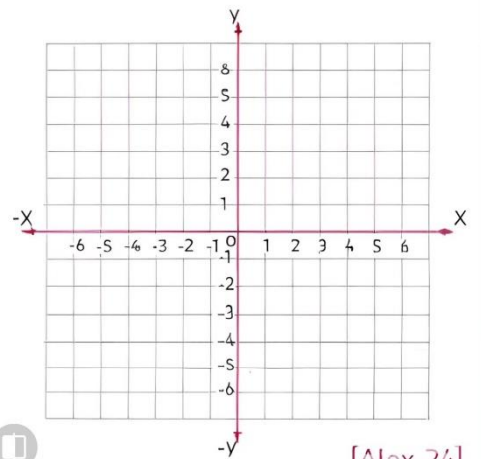
Then complete:

The figure is a .....

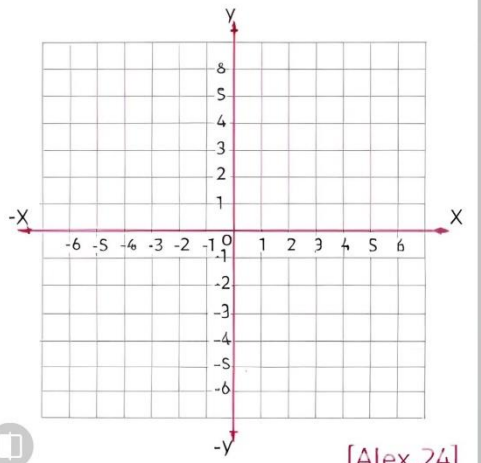


3- Plot the points (1, - 1), B(1, 3), C(- 3,3) and D(- 3, -1)

What is the name of the figure ABCD?



4- Plot the points A (2,4), B (2,1),C(5,4) Join them and find

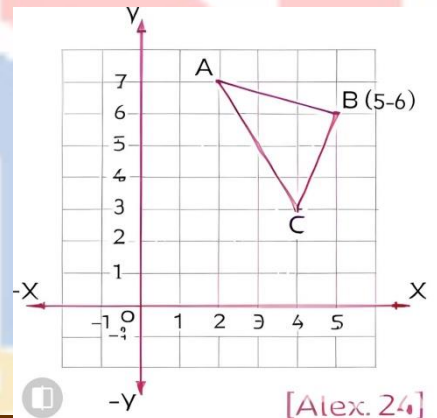




the image of each one by reflection across the y-axis.

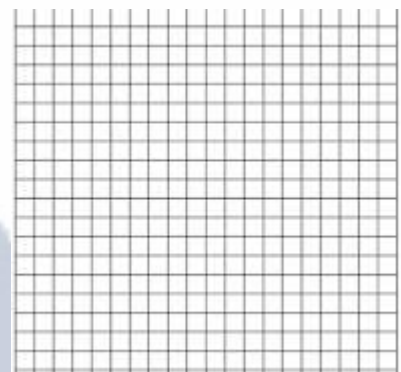
5- Use the opposite figure to find:

- a. Point A (.....,.....)
- b. Point C (.....,.....)

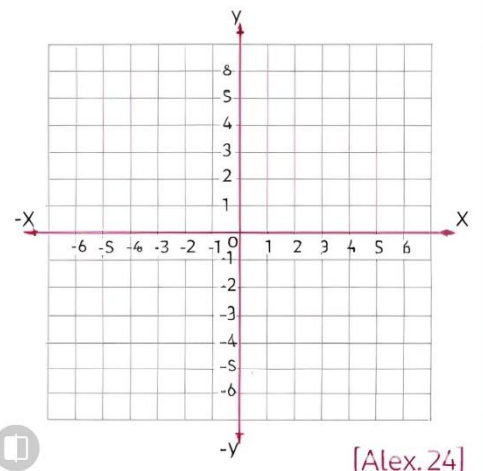


6- Represent the x-axis and y-axis then plot the points:

- a. A(3 , 1)
- b. B(1, 3)

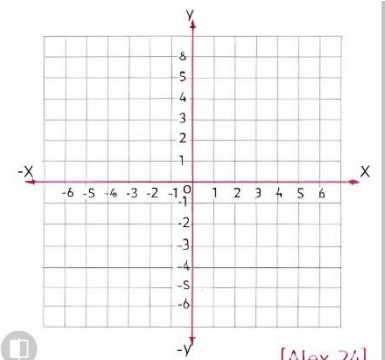


7- Graph the points A(1 , 4) and B (1, - 3) then find the distance between A and B



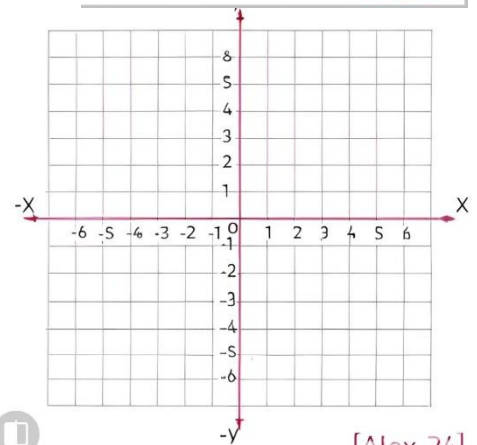


8- Locate the following points on the coordinate plane and connect the points in order A(1 , 1) , B(1, 5) , C(4 , 5) - D , (4, 1) identify the shape.



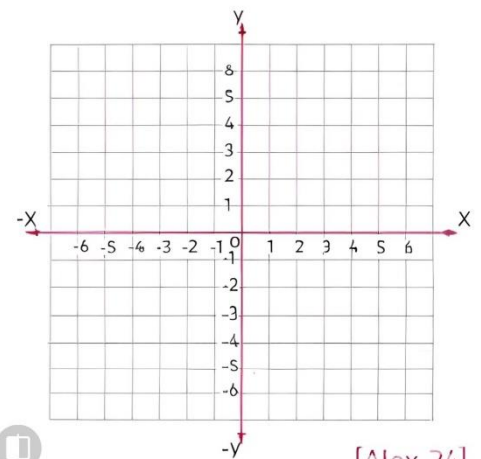
[Alex. 24]

9- Plot the points A (1,-2) B (1,2).C(-3,2), D(- 3, - 2) What is the name of the figure ABCD?



[Alex. 24]

10- Graph the points A(6, 1) , B(6 , 4) , C(- 2,4) What is the coordinate of the point D such that ABCD is a rectangle. D = (..... ,..... )



[Alex. 24]

11- 80 children from a school went to a trip and this is 40% of all children in the school. How many children are in the school in all?



.....  
.....  
12- If the number of pupils in a school is 700. One day 10% of them were absent, find the number of the present pupils that day.

.....  
.....  
13- Sara bought a car for 200,000 L.E. she paid 10% of its price. How much money did she pay?

.....  
.....  
14- If the zoo receives 800 kg of food daily and the percentage eaten by zebra is 60%. Find the number of kilograms that the zebra eats

.....  
.....  
15- A man bought a T.V. set. He was given a 15% discount of its marked price was 8,500 L.E. Find its price after discount.

.....  
.....  
16- On the sale a shop offers a discount 20%, if the price of a dress is 1,600 LE Find the price of it after discount.



.....  
.....  
17- The price of a T.V. is 8,500 L.E. with discount 10%. Calculate the discount value.

.....  
.....  
18- Ahmed bought a flat for 420,000 LE. he paid 20% of its price. How much money did he pay?

.....  
.....  
19- A dinner bill is 400 L.E. There's a 10% tax. Calculate the bill after adding the tax.

.....  
.....  
20- The price of a T.V. set is 20,000 L.E. The T.V. is on sale for 15% on a white Friday sale. Find the selling price of the T.V.

.....  
.....  
21- Mona ate 4 apples of 20 apples. Find the percentage of the number of apples she ate.

.....  
.....



22- A factory produces 7,200 bottles of soda in 8 hours. What is the rate of production?

.....  
.....

23- Two machines produce cloth the first one produce 365 meters in 5 hours and the second produce 480 meters in 6 hours. Which machine is better?

.....  
.....

24- In a mathematics exam Youssef got 38 marks of 40 marks. Find the percentage of the marks he got.

.....  
.....

25- Plot the points A(- 3, 2) , B (1, 4), and C(1,0) on the opposite coordinate plane, then determine the type of the resulted triangle according to its angles measures.

.....  
.....

26- Write the position of each of the following points in the coordinate plane:

- ▶ A(- 5, 7) ▶ B(6, - 3) ▶ C(5,3) ▶ D(4, 0)



.....  
.....

27- Write the image of the following points by reflection across the X-axis:

▶ A(- 1, 3) ▶ B(0, 9) ▶ C(3,0)

.....  
.....

28- Find the distance between each pair of points in the following:

1- (-2, 4) and (-2,-1)

2- (3,-1) and (7,-1)

.....  
.....

29- Complete: If the point at the position (-2,3) has moved 2 units to the right and 3 units upwards, then its new position is.....

30- Graph the points A (3, 2), B (3, -4) and C (-5,-4), join them to draw the triangle ABC and find the images of each point by reflection across the X-axis.



.....  
.....

**31- Mention the position of each point of the following in the coordinate plane:**

1- A (8,0)

2- B(-1,3)

.....  
.....

**32- Find the distance between each pair of the points of the following:**

1- (3,4) and (-3, 4)

2- (0,4) and (0, 1)

.....  
.....

**33- A piece of cloth of 30 meters long, was put in water, it shrank by 3%. What is its length after shrinking?**

.....  
.....



34- Plot and join the points in the given order, then complete the figure by joining the end points, and identify the shape.

A (3,3)

B (3,-3)

C(-5,-3)

D(-3,3)

35- Find the distance between the point C (5, -2) and point D (5, 6).

.....  
.....

36- Write the position of each of the following points in the coordinate plane:

1- A (0,2)

2- B (1,-3)

.....  
.....

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### Answer form



Primary

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(مناهج امريكي - كامبردج - مناهج خليجية)



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► Choose the correct answer.

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- A.  $\frac{2}{3}$                       **B.  $\frac{3}{2}$**                       C.  $\frac{10}{3}$                       D.  $2\frac{1}{3}$



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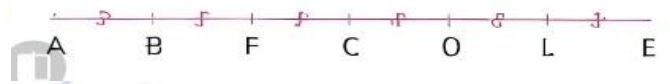
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- A.  $\frac{3}{8}$**
- B.  $\frac{6}{4}$
- C.  $\frac{4}{6}$
- D.  $\frac{3}{2}$

10- From the opposite figure.



AD: BC) = .....( in the simplest form)

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- B. 2:1**
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- B. 35
- C. 0.35
- D. 0.035

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- A. 30.5
- B. 3.05
- C. 305
- D. 3.5

15- If  $\frac{x}{5} = 20\%$ , then  $x = \dots\dots\dots$

- A. 2
- B. 1
- C. 4
- D. 5

16- A car consumes  $\frac{1}{10}$  liter of petrol to cover 1 km, then it covers ..... km per liter.

- A. 10
- B. 20
- C. 5
- D. 1

17- The unit rate from the opposite tape diagram is .....

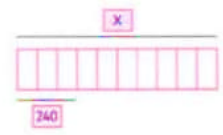


- A. 20 days per km
- B. 120 km per 6 days
- C. 6 days per 120 km
- D. 20 km per day

18- If the price of a ball is 120 L.E., then 10% of its price is ..... L.E.

- A. 1.2
- B. 12
- C. 0.12
- D. 0.012

19- From the opposite tape diagram.



- A. 80
- B. 800
- C. 60
- D. 600



20-  $\frac{3}{5} \div \dots\dots\dots = 1$

- A.  $\frac{5}{3}$
- B. 1
- C.  $\frac{3}{5}$
- D.  $1\frac{1}{3}$

21- From the opposite table. the value of unknown= .....

Whole	Part	Percent
Unknown	120	40 %

- A. 30
- B. 480
- C. 300
- D. 120

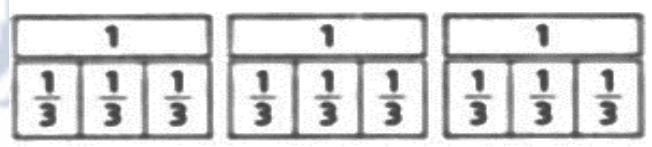
22- If the ratio between two numbers is 2:5 and the greater number is 20 then the smaller number is .....

- A. 8
- B. 50
- C. 10
- D. 16

23- 42% of 80 ..... 80% of 42

- A. <
- B. =
- C. >

24- By using the opposite model. what is the quotient  $3 \div (\frac{2}{3})$  ?



- A. 2
- B.  $\frac{3}{2}$
- C.  $4\frac{1}{2}$
- D.  $\frac{2}{3}$



25- Vera plotted a point on the coordinate plane 6 units to the right of the origin point and 2 units up. Which ordered pair represents the point?

- A. (2,6)                      B. (8,0)                      **C. (6,2)**                      D. (0,8)

26- 10% of .....kg = 12 kg

- A. 1.2                      B. 0.12                      **C. 120**                      D. 1,200

27- Mis\Asmaa plotted the point (4,7) on the coordinate plane. Which is true about the point?

- A. The point is located 4 units to the right of the x-axis.  
**B. The point is located 7 units up from the x-axis.**  
C. The point is located 4 units below the x-axis.  
D. The point is located 7 units to the right of the y-axis.

28- The simplest form of 12: 24 is

- A. 1:4                      **B. 1 to 2**                      C. 2:4                      D. 4:8

29- Which of the following points lies on the x-axis?

- A. (5,0)**                      B. (0,3)                      C. (1,1)                      D. (6,2)

30- 6 km per hour = ..... m per min

- A. 6,000                      B.  $\frac{1}{10}$                       C. 0.01                      **D. 100**

31- 60 meters per hour = ..... meter(s) per min.

- A. 3,600                      B. 120                      C. 360                      **D. 1**



32-  $\frac{4}{7} \div \frac{1}{7} = \dots\dots\dots$

- A. 4                      B.  $\frac{3}{7}$                       C. 7                      D.  $\frac{7}{4}$

33-  $\frac{1\ m}{\dots\dots\dots}$  is NOT a conversion factor.

- A. 100 cm                      B. 1,000 mm  
C. 0.001 km                      D. 60 min

34-  $4.8L \times \frac{\dots\dots\dots}{\dots\dots\dots} = 4,800\ mL$

- A.  $\frac{100\ mL}{1L}$                       B.  $\frac{1,000\ L}{1\ mL}$   
C.  $\frac{1,000\ mL}{1\ L}$                       D.  $\frac{1\ L}{1,000mL}$

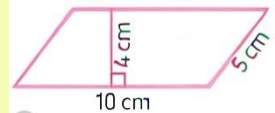
35-  $72.3 \div 0.01 = \dots\dots\dots$

- A. 7,230                      B. 0.723                      C. 7.23                      D. 72.3

36- To find the simplest form of the ratio 12:18. we divide the two terms by.....

- A. 1                      B. 2                      C. 8                      D.6

37- The area of the opposite parallelogram = .....  $Cm^2$



- A. 50                      B. 40                      C. 20                      D. 30

38- The image of the point (3,0) by reflection across x-axis is .....

- A. (-3,0)                      B. (0,-3)                      C. (3,0)                      D. (0,3)



39- If  $34 \times 25 = 850$  then  $8.5 \div 3.4 = \dots\dots\dots$

- A. 25
- B. 2.5**
- C. 0.25
- D. 250

40- The area of the rhombus of side length 7 cm and height 4 cm is  $\dots\dots\dots$   $\text{Cm}^2$

- A.  $7+4$
- B.  $(7 + 4) \times 2$
- C.  $7 \times 4$**
- D.  $(7 \div 4) \times 2$

41- How many  $\frac{3}{4}$ 's are there in 6 oranges?

- A.  $4 \frac{1}{2}$
- B.  $\frac{18}{4}$
- C. 7
- D. 8**

42- If the area of the parallelogram is  $56 \text{ Cm}^2$  and its height is 7 cm, then its base length =  $\dots\dots\dots$  cm

- A. 63
- B. 49
- C. 8**
- D. 6

43- The distance between A and B is  $\dots\dots\dots$  units.



- A. 7
- B. 1
- C. 9**
- D. 5

44-  $\dots\dots\dots$  gm = 20 kg

- A. 0.02
- B. 2,000
- C. 200
- D. 20,000**

45- The distance between A and B is 7 units , then x =  $\dots\dots\dots$

- A. -3.2
- B. 3.2**
- C. 4.8
- D. -4.8





46- If 10% of pupils in the class = 7 pupils, then the total number of pupils in the class = .....

- A. 20      **B. 70**      C. 200      D. 500

47- The distance between the point (- 7,- 3) and its image by reflection across the y-axis is ..... units.

- A. 8**      B. 6      **C. 14**      D. 7

48- If the two points A (6,1) and B (3,1) are two vertices in a right triangle ABC then the point C could be

- A. (4,-1)      **B. (3,-1)**      C. (5,-1)      D. (4,1)

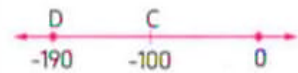
49-  $\frac{3}{4} \div 4 = \dots\dots\dots$

- A.  $\frac{3}{8}$       **B.  $\frac{3}{16}$**       C. 3      D.  $\frac{1}{3}$

50- The point  $(- 1, 1 \frac{1}{2})$  lies in the ..... quadrant.

- A. first      **B. second**      C. third      D. fourth

51- In the opposite figure, the distance between the two points C and D is units.



- A. 90**      B. 290      C. 100      D. 190

52- 40% of a number = ..... % of half of the same number.

- A. 10      B. 20      **C. 80**      D. 100



53- Which of the following ratios are equivalent ?

- A.  $\frac{18}{36}$  and  $\frac{3}{6}$
- B. 5 to 7 and 7 to 9
- C.  $\frac{9}{32}$  and  $\frac{3}{8}$
- D. 6 to 9 and 3:2

54- The image of the point (2,- 4) by reflection across the x-axis is .....

- A. (-2,4)
- B. (-2,-4)
- C. (2,4)
- D. (4,2)

55- Which of the following is not a conversion factor?

- A.  $\frac{60 \text{ min}}{1 \text{ Sec}}$
- B.  $\frac{1,000m}{1km}$
- C.  $\frac{1L}{1,000 mL}$
- D.  $\frac{1 \text{ day}}{24 \text{ hours}}$

56- The point ..... lies in the 3rd quadrant.

- A. (-1,0)
- B. (-2,-3)
- C. (0,-4)
- D. (1,1)

57- If 2 : 7 is equivalent to x : 14, then x = .....

- A. 49
- B. 4
- C. 9
- D. 2

58- Moving the point (3,4) 3 units to the right and 5 units down, then the end point is .....

- A. (0,9)
- B. (6,-1)
- C. (0,-1)
- D. (6,9)

59- 28% + 31% = .....

- A. 59
- B. 0.59
- C. 100%
- D. 3%



60- If Ali bought 9 kg of oranges for 36L.E., then the price of each kg = .....L.E.

- A. 36                      B. 9                      C. 4                      D. 3

61- The point (0, 7) lies in/on .....

- A. Y-axis                      B. X-axis  
C. 3rd quadrant                      D. 4th quadrant

62- Which point is a reflection of (1, 8) across the y-axis on a coordinate plane?

- A. (1,-8)                      B. (-1,-8)                      C. (8,1)                      D. (-1,8)

63-  $1-25\% =$  .....

- A. 25%                      B. 75                      C. 0.75                      D. 85%

64-  $30\%$  of 120 = .....

- A. 45                      B. 35                      C. 36                      D. 46

65- If the percentage of success in a school is 81%, then the percentage of failure is .....%

- A. 81                      B. 20                      C. 19                      D. 40

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66- From the opposite table, the value of the unknown = .....

Whole	Part	Percent
Unknown	38	40%

- A. 48      B. 45      C. 38      D. 95

67- A point both of its coordinates are negative lies in ..... quadrant.

- A. 1<sup>st</sup>      B. 2<sup>nd</sup>      C. 3<sup>rd</sup>      D. 4<sup>th</sup>

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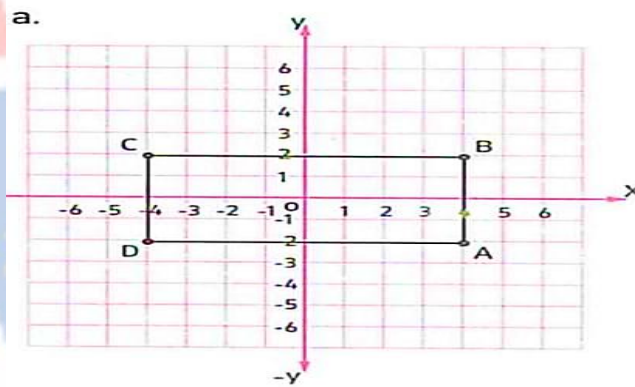


► Answer the following :

1- In the opposite coordinate plane:

a. Graph the points:

$A(4, - 2)$ ,  $B(4, 2)$ ,  $C(- 4,2)$  and  $D(- 4, - 2)$  b. Connect the points what is the name of the figure ABCD?



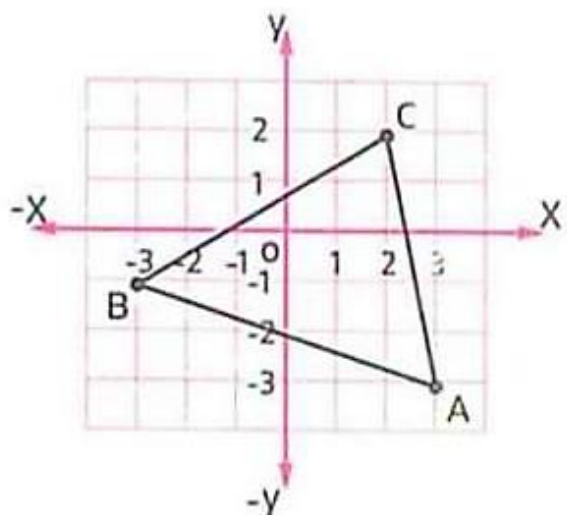
b. ABCD is a rectangle

2- Plot the points on the coordinate grid:

$A(3, - 3)$  ,  $B(- 3 , - 1)$  ,  $C(2 , 2)$

Then complete:

The figure is a .....

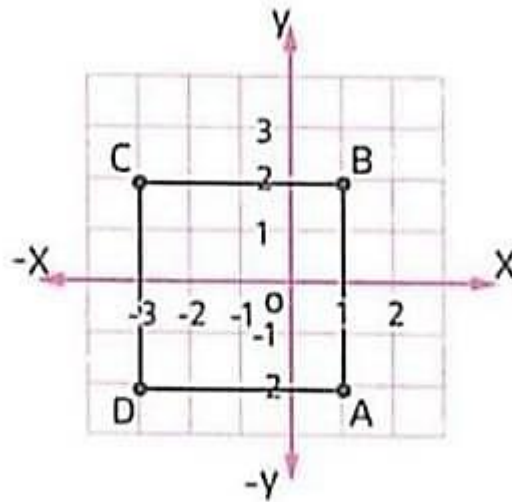


triangle



3- Plot the points  $(1, -1)$ ,  $B(1, 3)$ ,  $C(-3, 3)$  and  $D(-3, -1)$

What is the name of the figure ABCD?

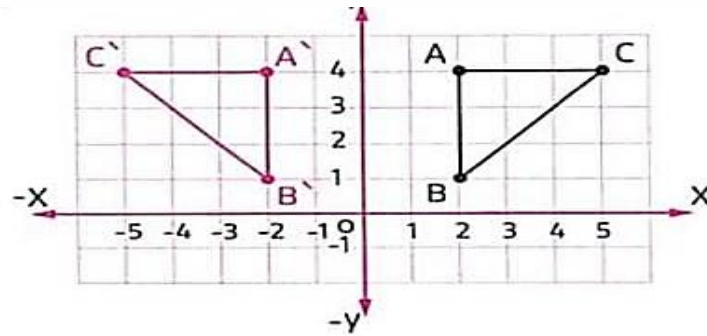


ABCD is a square

4- Plot the points  $A(2, 4)$ ,  $B(2, 1)$ ,  $C(5, 4)$  Join them and find the image of each one by reflection across the y-axis.

Answer:

مراجعات النخبة



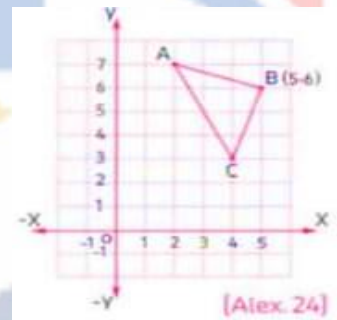
Point	Image
A (2 , 4)	$\hat{A} (-2 , 4)$
B (2 , 1)	$\hat{B} (-2 , 1)$
C (5 , 4)	$\hat{C} (-5 , 4)$

5- Use the opposite figure to find:

Answer:

a. Point A (2,7)

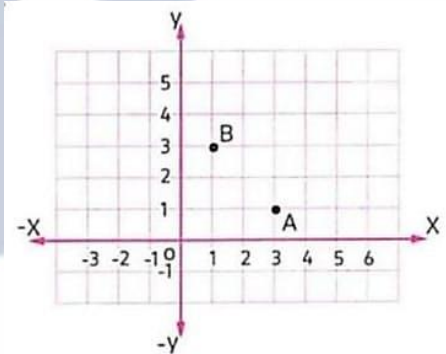
b. Point C (4,3)



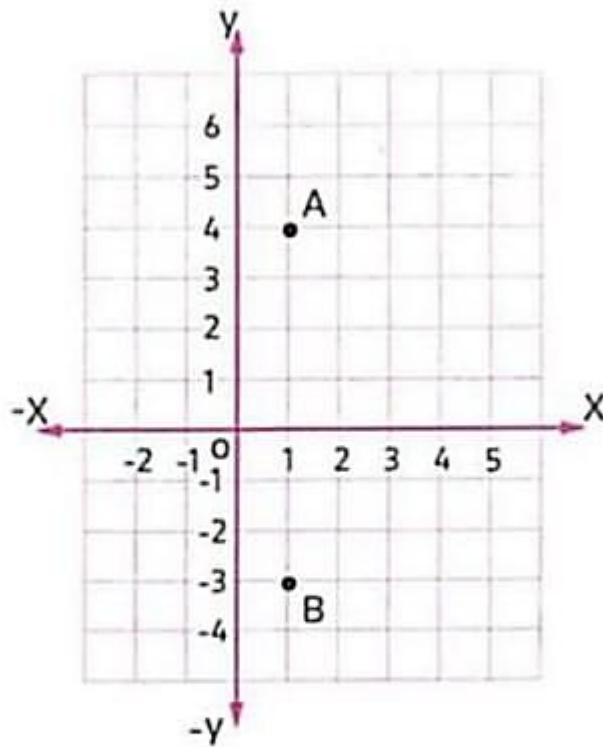
6- Represent the x-axis and y-axis then plot the points:

a. A(3 , 1)

b. B(1, 3)

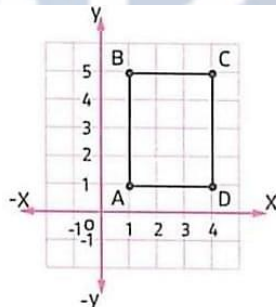


7- Graph the points A(1 , 4) and B (1, - 3) then find the distance between A and B



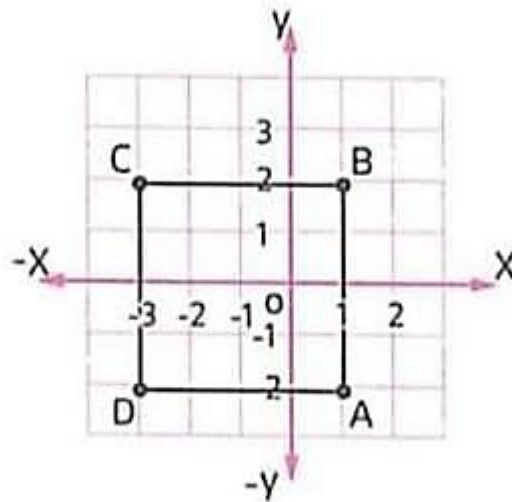
The distance between A and B =  
 $|4| + |-3| = 4 + 3 = 7$  units

- 8- Locate the following points on the coordinate plane and connect the points in order A(1 , 1) , B(1, 5) , C(4 , 5) - D , (4, 1) identify the shape.



ABCD is a rectangle

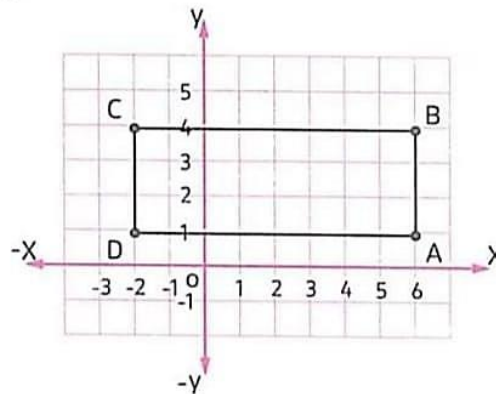
- 9- Plot the points A (1,-2) B (1,2).C(-3,2), D(- 3, - 2)  
What is the name of the figure ABCD?



ABCD is a square

10- Graph the points  $A(6, 1)$  ,  $B(6, 4)$  ,  $C(-2, 4)$  What is the coordinate of the point D such that ABCD is a rectangle.

D = ( ..... , ..... )



D = (-2, 1)

11- 80 children from a school went to a trip and this is 40% of all children in the school. How many children are in the school in all?

Answer:



▶ Number of children in the school  $80 \div 40\% = 200$  children.

12- If the number of pupils in a school is 700. One day 10% of them were absent, find the number of the present pupils that day.

Answer:

▶ Number of absent pupils =  $700 \times 10\% = 70$  pupils

Number of present pupils =  $700 - 70 = 630$  pupils

13- Sara bought a car for 200,000 L.E. she paid 10% of its price. How much money did she pay?

Answer:

▶ She paid =  $200,000 \times 10\% = 20,000$  L.E.

14- If the zoo receives 800 kg of food daily and the percentage eaten by zebra is 60%. Find the number of kilograms that the zebra eats.

Answer:

▶ The zebra eats =  $800 \times 60\% = 480$  kg

15- A man bought a T.V. set. He was given a 15% discount of its marked price was 8,500 L.E. Find its price after discount.

Answer:

▶ The discount =  $8,500 \times 15\% = 1,275$  L.E.

The price after discount =  $8,500 - 1,275 = 7,225$  L.E.



16- On the sale a shop offers a discount 20%, if the price of a dress is 1,600 LE Find the price of it after discount.

**Answer:**

▶ The percent of the price of the dress after discount =  $100\% - 20\% = 80\%$

The price of it after discount =  $1,600 * 80\% = 1,280$  L.E

17- The price of a T.V. is 8,500 L.E. with discount 10%. Calculate the discount value.

**Answer:**

▶ The discount value =  $8,500 \times 10\% = 850$  L.E

18- Ahmed bought a flat for 420,000 LE. he paid 20% of its price. How much money did he pay?

**Answer:**

▶ He paid =  $420000 \times 20\% = 84000$  L.E

19- A dinner bill is 400 L.E. There's a 10% tax. Calculate the bill after adding the tax.

**Answer:**

▶ The tax value =  $400 \times 10\% = 40$  L.E

The bill after adding the tax =  $400 + 40 = 440$  L.E

20- The price of a T.V. set is 20,000 L.E. The T.V. is on sale for 15% on a white Friday sale. Find the selling price of the T.V.

**Answer:**

▶ The sale value =  $20000 \times 15\% = 3000$  L.E



The selling price of the T.V =  $20000 - 3000 = 17,000$

L.E

21- Mona ate 4 apples of 20 apples. Find the percentage of the number of apples she ate.

Answer:

► The percentage =  $\frac{4}{20} = \frac{4 \times 5}{20 \times 5} = \frac{20}{100} = 20\%$

22- A factory produces 7,200 bottles of soda in 8 hours. What is the rate of production?

Answer:

► The rate =  $7,200 \div 8 = 900$  bottles per hour

23- Two machines produce cloth the first one produce 365 meters in 5 hours and the second produce 480 meters in 6 hours. Which machine is better?

Answer:

► The rate of first machine =  $365 \div 5 = 73\text{m} / \text{h}$   
, the rate of second machine =  $480 \div 6 = 80\text{m} / \text{h}$   
, then the second machine is better.

24- In a mathematics exam Youssef got 38 marks of 40 marks. Find the percentage of the marks he got.

Answer:

► The percentage of the marks of Youssef =  $\frac{38}{40} = \frac{19}{20}$   
 $= \frac{19 \times 5}{20 \times 5} = \frac{95}{100} = 95\%$

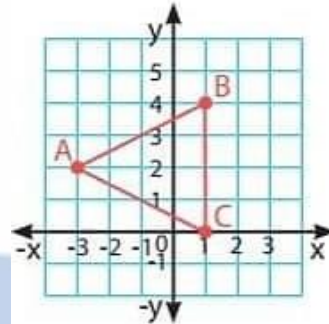
25- Plot the points A(- 3, 2) , B (1, 4), and C(1,0)



on the opposite coordinate plane, then determine the type of the resulted triangle according to its angles measures.

**Answer:**

▶ The resulted triangle is an acute-angled triangle.



26- Write the position of each of the following points in the coordinate plane:

▶ A(- 5, 7) ▶ B(6, - 3) ▶ C(5,3) ▶ D(4, 0)

**Answer:**

▶ A(- 5, 7) lies in the 2nd quadrant.

▶ B (6, -3) lies in the 4th quadrant.

▶ C(5,3) lies in the 1st quadrant.

▶ D (4, 0) lies on the X-axis.

27- Write the image of the following points by reflection across the X-axis:

▶ A(- 1, 3) ▶ B(0, 9) ▶ C(3,0)

**Answer:**

▶ A'(- 1, - 3)

▶ B' (0,-9)

▶ C(3,0)

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28- Find the distance between each pair of points in the following:



1- (-2, 4) and (-2,-1)

2- (3,-1) and (7,-1)

**Answer:**

1- The distance between (-2, 4) and (-2,-1) =  $|4| + |-1| = 4 + 1 = 5$  units

2- The distance between (3,-1) and (7, -1) =  $|7| - |3| = 7 - 3 = 4$  units

29- Complete: If the point at the position (-2,3) has moved 2 units to the right and 3 units upwards, then its new position is.....

**(0,6).**

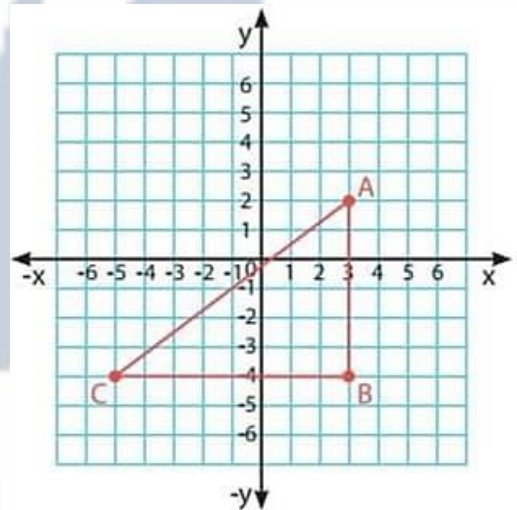
30- Graph the points A (3, 2), B (3, -4) and C (-5,-4), join them to draw the triangle ABC and find the images of each point by reflection across the X-axis.

**Answer:**

► The image of point A (3, 2) by reflection across X-axis is (3,-2).

► The image of point B (3,-4) by reflection across X-axis is (3,4).

► The image of point C (-5, -4) by reflection across X-axis is (-5, 4).



31- Mention the position of each point of the following in the coordinate plane:



1- A (8,0)

2- B(-1,3)

**Answer:**

1- A (8,0): lies on X-axis.

2- B(-1, 3): lies in 2<sup>nd</sup> quadrant.

32- Find the distance between each pair of the points of the following:

1- (3,4) and (-3, 4)

2- (0,4) and (0, 1)

**Answer:**

1- The distance between (3, 4) and (-3, 4) =  $|3 - (-3)| + |4 - 4| = 3 + 3 = 6$  units

2- The distance between (0, 4) and (0,1) =  $|4 - 1| = 4 - 1 = 3$  units

33- A piece of cloth of 30 meters long, was put in water, it shrank by 3%. What is its length after shrinking?

**Answer:**

The cloth shrank by =  $30 \times 3\% = 0.9$  meters

The length after shrinking =  $30 - 0.9 = 29.1$  meters

## مراجعات النخبة

34- Plot and join the points in the given order, then complete the figure by joining the end points, and identify the shape.



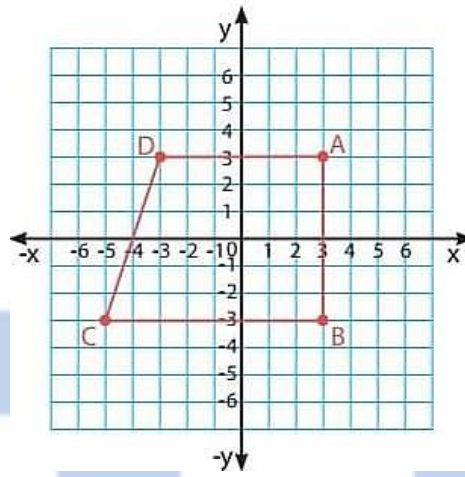
A (3,3)

B (3,-3)

C(-5,-3)

D(-3,3)

Answer:



► The shape is a trapezium.

35- Find the distance between the point C (5, -2) and point D (5, 6).

Answer:

The distance between the points C and D =  $| -2 | + | 6 | = 8$  units

36- Write the position of each of the following points in the coordinate plane:

1- A (0,2)

2- B (1,-3)

Answer:

1- A (0, 2): lies on Y-axis.

2- B (1,-3): lies in 4th quadrant.

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2025**

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