

# Math

## Model Exam (1)

### Question 1:

- Answer the following:

- a-  $65.3814 + 63.4027 = \dots \simeq \dots$  (to the nearest  $\frac{1}{1000}$  )
- b-  $53.27 - 2.1 = \dots \simeq \dots$  (to the nearest tenth)
- c-  $(3.425 + 1.07) \div 2.8 = \dots \simeq \dots$  (to the nearest hundredth)
- d-  $9.568 \div 9 \frac{1}{5} = \dots \simeq \dots$  (to the nearest whole number)
- e-  $\dots \div 9 = 4.5$
- f- The chord of a circle is a line segment that connects .....
- g- 2.9 ton = ..... kg
- h- A box contain 24 lamps, 3 lamps are defective. A lamp has been randomly selected, the probability of getting a functional lamp = .....
- i- If  $X = \{2, 3\}$  ,  $Y = \{3, 5\}$  , then  $X \cap Y = \dots$
- j- 254 hours  $\simeq \dots$  days

### Question 2:

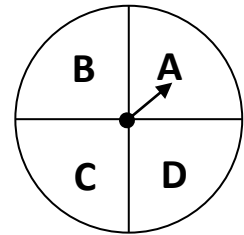
- A) The area of a rectangle is  $9.43 \text{ cm}^2$  and its width is 2.45 cm. find its length and approximate it to the nearest hundredth of centimeter.

# Math

## B) Compare:

- |                       |                      |                             |
|-----------------------|----------------------|-----------------------------|
| a- $0.46 \div 4.6$    | <input type="text"/> | 0.01                        |
| b- $17.17 \times 1.7$ | <input type="text"/> | 39                          |
| c- $53.7 \div 3.5$    | <input type="text"/> | $5.37 \div 0.35$            |
| d- $845 \div 4.9$     | <input type="text"/> | $(84.5 \div 49) \times 0.1$ |

## Question 3:



A) A spinner is divided into 4 equal sections.

a- What is the probability of spinning the letter B?

b- Spin the spinner 400 times. What is the predicted number of getting letter A?

B) Draw a circle whose centre is M and radius is 2.5 cm. then draw its diameter  $\overline{AB}$  and draw its chord  $\overline{AC}$  of length 3 cm. Draw  $\overline{BC}$  then find its length.

## Question 4:

A) If  $U = \{1, 2, 3, 4, 5, 6\}$ ,  $X = \{2, 3, 5\}$  and  $Y = \{3, 4, 5\}$

Represent the sets by Venn diagram. Then write each of the following by listing method:

- $X \cup Y$
- $X \cap Y$
- $X - Y$
- $X'$

B) Find the product of  $58.62 \times 35.2$  and approximate it to the nearest hundredth.

# Math

## Question 5:

- **Choose the correct answer:**

- a- The number of subsets for the set  $\{5\}$  is ..... ( 0 – 1 – 2 – 3 )
- b- If M is a circle whose diameter is 8 cm where MA = 7 cm then the point A is located ..... ( inside – outside – on ) the circle.
- c-  $654 \div 76 = 6.54 \div \dots$  ( 76 – 0.76 – 7.6 )
- d- If  $X \subset Y$  then  $X \cap Y = \dots$  (  $X - Y - \emptyset - U$  )
- e-  $\emptyset \dots \{0\}$  (  $= - \subset - \not\subset - \in$  )

## Question 6:

- A) Draw the isosceles triangle ABC in which BC = 4 cm, and AB = AC = 6 cm  
Then, draw perpendicular segments from their vertices to their three sides.

- B) The following table lists the results of a survey applied on 100 spectators of T.V

Program	Arabic films	Foreign films	Series	News	Football matches
Number of spectators	19	20	15	10	36

A spectator has been randomly selected. Find the probability of selecting a spectator prefers:

- a- Football matches    b- foreign films    c- series    d- news

# Math

## Model Exam (2)

### Question 1:

- Find the following:

a-  $729.72 - 122.7435 = \dots \simeq \dots$  (to the nearest hundredth)

b-  $1.623 \div 0.152 = \dots \simeq \dots$  (to the nearest tenth)

c-  $984.45 + 73.2 = \dots \simeq \dots$  (to the nearest unit)

d-  $1.775 \times 0.15 = \dots \simeq \dots$  (to the nearest  $\frac{1}{1000}$ )

e-  $4\frac{1}{2} \div 0.5 = \dots$

f-  $X \in \{2, 5\} \cap \{3, 5\}$ , then  $X = \dots$

g-  $8.56 \text{ m} = \dots \text{ km}$

### Question 2:

A) A card has been randomly drawn out of 10 cards numbered from 1 to 10

Find the probability of getting:

a- An odd number

b- A prime number

c- An even number greater than 6

B) Draw the triangle ABC in which  $AB = 7 \text{ cm}$ ,  $BC = CA = 6 \text{ cm}$ . then, draw the line segment from point C that is perpendicular to  $\overline{AB}$  and find its length.

## Question 3:

### A) Complete:

a- If  $\{1, X\} = \{2, Y\}$ , then  $X = \dots\dots\dots$  ,  $Y = \dots\dots\dots$

b- The longest chord in a circle is called .....

c- The probability of failing a student is  $\frac{2}{15}$  , The probability of success = .....

d- 72 days  $\simeq$  ..... weeks

e-  $\{2, X\} \cap \{3, 7\} = \{3\}$ , then  $X = \dots\dots\dots$

f- The difference between  $\frac{9}{16}$  and 0.5734 is .....

B) The area of a rectangle is 10.25 square meters, and its length is 4.1 meters. Find its width and perimeter.

## Question 4:

A) Look at the opposite Venn diagram and find the following sets using the listing method:

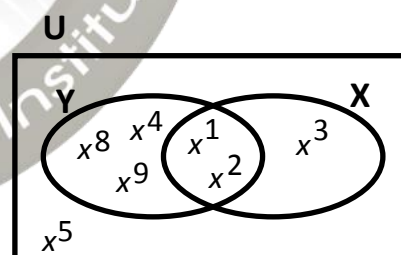
a)  $X \cup Y$

b)  $X \cap Y$

c)  $X - Y$

d)  $Y'$

e)  $(X \cup Y)'$



B) Find the number that if multiplied by 0.37, then the result is 17.8932

# Math

## C) Choose the correct answer:

- a- The number of altitudes in any triangle = ..... ( 1 – 2 – 3 )
- b-  $\{1,7\}$  .....  $\{0, 1, 2, 3, 4, \dots\}$  (  $\in$  –  $\notin$  –  $\subset$  –  $\supset$  )
- c-  $12 \frac{1}{2} \times \frac{4}{5} = \dots\dots\dots$  ( 10 – 100 – 50 )
- d- If  $\overline{AB}$ ,  $\overline{AC}$  are two chord in a circle, then  $\overline{BC}$  is a .....(chord – diameter – radius) in the same circle.
- e-  $5698.65 \div 100 = \dots\dots\dots$  ( 569865 – 56.9865 – 5.69865 )
- f-  $X - X = \dots\dots\dots$  (  $\emptyset$  – zero –  $\{0\}$  –  $\{1\}$  )

## Question 5:

A) Rolling a regular number cube (die). what is the probability of getting an even number and not divisible by 3?

## B) Put (✓) for the true sentence and (✗) for the false one:

- a- The quotient of dividing 265.88 by 2.6588 = 100 ( )
- b- The length of the diameter of a circle > the length of any chord which doesn't pass through its center ( )
- c-  $8 \in \{5, 7\}$  ( )
- d-  $439.71 \times 1000 = 439710$  ( )
- e- The line segments drawn from the vertices of the acute triangle perpendicular to the opposite sides intersect at one point inside the triangle. ( )



## Question 6:

**A) Draw a circle whose center is N and diameter is 6 cm. then draw the diameter  $\overline{AB}$  and the chord  $\overline{AC}$  in the circle. Draw  $\overline{BC}$ . Use the protractor to measure  $\angle ACB$  , then draw  $\overrightarrow{CD} \perp \overline{AB}$  that intersects it at D and the circle at E , then choose the correct answer:**

- a-** The triangle ABC is .....  
(right triangle – acute triangle – obtuse triangle)
- b-**  $\overline{CE}$  is ..... in the circle ( chord – diameter – radius )
- c-** The intersection point of the perpendicular line segments drawn from the vertices of the triangle ABC to the opposite sides is ...  
( C – D – E )

**B) Divide 375 by 0.5 then add  $5\frac{1}{4}$  to the quotient.**

# Math

## Model Exam (3)

### Question 1:

• Find the following:

a-  $75.32489 \times 10 = \dots \approx \dots$  (to the nearest thousandth)

b-  $12.46 \div 0.517 = \dots \approx \dots$  (to the nearest tenth)

c-  $700.14 + 55.009 = \dots \approx \dots$  (to the nearest unit)

d-  $7.52 \div (14.73 - 11.58) = \dots \approx \dots$  (to the nearest  $\frac{1}{100}$ )

e-  $2\frac{1}{8} \div 0.125 = \dots$

f- If  $4 \in \{2, X, 7\}$ , then  $X = \dots$

g- The midpoint of any diameter in a circle is ..... of the circle.

h- A card has been drawn out of 5 cards containing the numbers:

32

25

14

63

27

The probability of selecting a number that the sum of its two digits is 9 =  
.....

### Question 2:

A) Draw the triangle XYZ in which  $XY = 3$  cm,  $YZ = 5$  cm,  $ZX = 7$  cm.

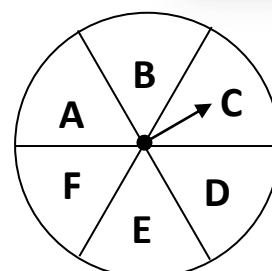
determine the types of the triangle according to the measures of its angles, then draw the perpendicular segment from X to  $\overline{YZ}$  and measure its length.



# Math

B) A spinner is divided into 6 equal sections.

- a- What's the probability of spinning on any section?
- b- Spinning the spinner 60 times. How many times are predicted to get the letter (A) as an outcome?



## Question 3:

A) Rearrange the following fractions descendingly:  $\frac{1}{2}$  , 0.8 ,  $\frac{1}{4}$  , 0.3

B) The side length of a square is 5.06 meters.

Find its area approximating it to the nearest hundredth.

C) If  $X = \{3, 4, 5\}$  ,  $Y = \{2, 3, 4\}$

Place the suitable symbol  $\in$  or  $\notin$  or  $\subset$  or  $\not\subset$  in the blanks.

- a- 2 ..... X
- b-  $\{3, 2\}$  .....  $X \cup Y$
- c-  $\emptyset$  ..... Y
- d-  $\{3, 5\}$  .....  $X \cap Y$
- e- 5 .....  $X - Y$
- f-  $\{2, 3, 4\}$  ..... X

## Question 4:

A) The following table lists the number of 120 volunteers in 3 groups to make uniforms for cleaners.

Group	Design	Printing	Distribution
Number of volunteers	30	30	60

A volunteer has been randomly selected. What is the probability to be one of the printing group?

B) A truck can hold 125 boxes of oranges at a time. How many times are needed to deliver 4375 boxes by that truck?

## Question 5:

**A) Choose the correct answer from the parentheses:**

a- If  $\{2, 5, 7\} = \{5, A, 2\}$  then  $A = \dots$  (  $2 - 5 - 7 - 0$  )

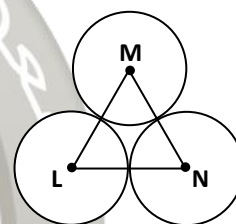
b- If A, B belong to the circle M where  $M \in \overline{AB}$  then  $\overline{AB}$  is called a  
(chord – diameter – radius) in the circle.

c-  $78.26 \div 10 \dots 7.826 \times 10$  (  $>$  or  $=$  or  $<$  )

d-  $\{5\} - \{1, 2, 5\} = \dots$  (  $\{5\} - \{1, 2\} - \emptyset - \{1, 2, 5\}$  )

e- If  $a \in X$  then  $a \dots X$  (  $\in - \notin - \subset - \not\subset$  )

f- In the opposite figure,  
If the length of each radius in the  
three circles is 3 cm, then the perimeter  
of the triangle MLN = ( 6 – 9 – 18 ) cm



**B) Draw a circle whose center is M and radius 2 cm then draw two radii  $\overline{MX}$ ,  $\overline{MY}$  and the included angle between them measures  $60^\circ$  then draw  $\overline{XY}$  and find the length of  $\overline{XY}$ .**

## Model Exam (4)

Answer the following questions :

**1** Complete each of the following :

[a]  $457.6 \div 100 = \dots \approx \dots$  (to the nearest tenth)

[b] If  $X \subset Y$ , then  $X \cup Y = \dots$

[c]  $\frac{5}{7} \times \dots = 1$

[d] If  $\{2, x+1\} = \{6, 2\}$ , then  $x = \dots$

**2** Choose the correct answer :

[a]  $\{43\} \cap \{4, 3\} \dots$  ( $\{3\}$  or  $\{4\}$  or  $\{43\}$  or  $\emptyset$ )

[b] If the length of the radius of a circle is 5 cm. , then the length of the longest chord =  $\dots$  cm. (2 or 8 or 6 or 10)

[c] Any triangle has  $\dots$  altitudes (1 or 2 or 3 or 4)

[d]  $12 \div \frac{4}{3} = \dots$  (9 or 16 or 6 or 8)

**3** [a] Find the result then approximate :

(1)  $4.52 \times 0.3 = \dots \approx \dots$  (to the nearest 2 dicimal place)

(2)  $24.7 - 7 \frac{1}{2} = \dots \approx \dots$  (to the nearest unit)

(3)  $2.46 \div 0.6 = \dots$

[B] Arrange in an ascending order :

$7.8$  ,  $7.75$  ,  $6\frac{1}{4}$  and  $6.4$

**4** [a] If  $U = \{1, 2, 3, 4, 5, 6, 7, 8\}$ ,  $X = \{2, 4, 5, 6\}$  and  $Y = \{4, 5, 7\}$

Represent these sets by Venn diagram then find :-

(1)  $X \cap Y$

(2)  $X \cup Y$

(3)  $X - Y$

(4)  $X^c$

[b] Complete using ( $\in$ ,  $\notin$ ,  $\subset$  or  $\not\subset$ ) :

(1)  $9 \dots \{4, 6, 9\}$

(2)  $\{8\} \dots \{0, 2, 4, 6, \dots\}$

(3)  $\emptyset \dots \{0\}$

- 5** [a] Draw the triangle ABC in which  $AB = 8 \text{ cm.}$  ,  $BC = 6 \text{ cm.}$  and  $AC = 10 \text{ cm.}$   
 , then complete :  $m(\angle B) = \dots\dots\dots^\circ$

[b] **Complete :**

- (1) The probability of the impossible event = .....
- (2) As throwing a metallic coin once , then the number of elements of the sample space = .....
- (3) As throwing a fair die once , then the probability of appearing :
- (a) An even number  $\hat{=}$  .....
- (b) A number greater than 4 = .....

# Math

## Model Exam (5)

Answer the following questions :

### 1 Complete :

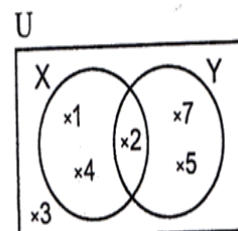
- [a]  $\emptyset$  .....  $\{a, b\}$       [b] It is ..... that the sun rises from west.  
 [c] As throwing a fair die once , then the probability of appearing a number less than 3 is .....  
 [d] The altitudes of the right-angled triangle intersect at .....

### 2 Choose the correct answer :

- [a]  $63.594 \approx 63.6$  (to the nearest .....)  
 ( 0.1 or 0.01 or 0.001 or 10 )  
 [b]  $3 \frac{1}{2} \div \frac{7}{12} = \dots\dots\dots$  ( 6 or  $\frac{18}{2}$  or  $\frac{50}{12}$  or 4 )  
 [c]  $3 \dots\dots\dots \{303, 13\}$  (  $\in$  or  $\notin$  or  $\subset$  or  $\not\subset$  )  
 [d] The chord which passes through the centre of the circle is called .....  
 ( a diameter or a radius or a tangent or a side )

- 3 [a] Arrange ascendingly :  $14\frac{1}{4}$ , 15.025 , 14.375 and  $14\frac{1}{8}$   
 [b] From the opposite Venn diagram , write the following sets :

- (1)  $\bar{X}$   
 (2)  $X \cup Y$   
 (3)  $X \cap Y$   
 (4)  $Y - X$





# Math

**4 [a]** Draw the equilateral triangle ABC whose side length = 5 cm. , then draw  $\overline{AD} \perp \overline{BC}$

**[b]** Find the area of the square whose side length is 5.02 m..  
approximating the result to the nearest tenth.

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**5 [a]** If the price of a piece of sweet is 2.5 pounds. What is the price of 25 pieces of the same kind ?

**[b]** A bag contains 5 white balls , 9 red balls and 6 black balls , all the balls are identical and equal in the size. If a ball is drawn randomly. What is the probability that the drawn ball is :

(1) Not white.

(2) White or red.



## Answers Model Exam (1)

### Question 1:

a-  $128.7841 \approx 128.784$

b-  $51.17 \approx 51.2$

c-  $4.495 \div 2.8 = 44.950 \div 28 = 1.605 \approx 1.61$

d-  $9.568 \div 9.2 = 95.68 \div 92 = 1.04 \approx 1$

e-  $4.5 \times 9 = 40.5$

f- between any two points on the circle

g-  $2.9 \text{ ton} \times 1000 = 2900 \text{ kg}$

h- Functional lamps =  $24 - 3 = 21$ , so the probability of getting a functional lamp =  $\frac{21}{24} = \frac{7}{8}$

i-  $X \cap Y = \{3\}$

j-  $254.0 \div 24 = 10.5 \approx 11 \text{ days}$

### Question 2:

A) Area =  $L \times W$

Length =  $\text{area} \div \text{width}$

=  $9.43 \div 2.45 = 943.000 \div 245 = 3.848 \approx 3.85 \text{ cm}$

B)

a-  $0.1 > 0.01$

b-  $29.189 < 39$

c-  $=$

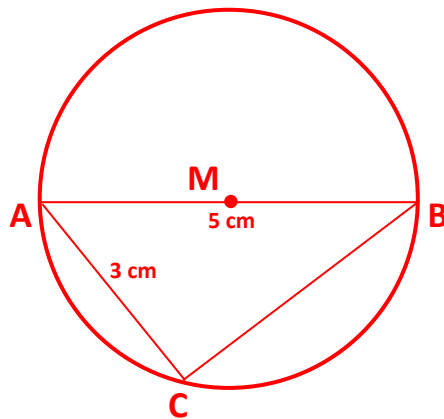
d-  $172.4489 > 0.17244$

### Question 3:

A) a-  $\frac{1}{4}$

b- First the probability of getting letter A =  $\frac{1}{4}$ , then the predicted number of getting letter A =  $400 \times \frac{1}{4} = 100 \text{ times}$

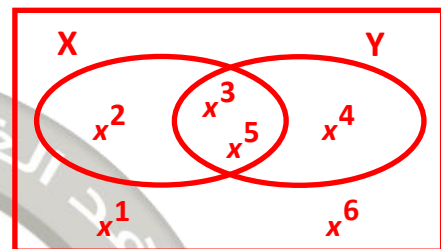
B)  $BC = 4 \text{ cm}$



**Question 4:**

- A) a) {2, 3, 4, 5}  
 b) {3, 5}  
 c) {2}  
 d) {1, 4, 6}

U



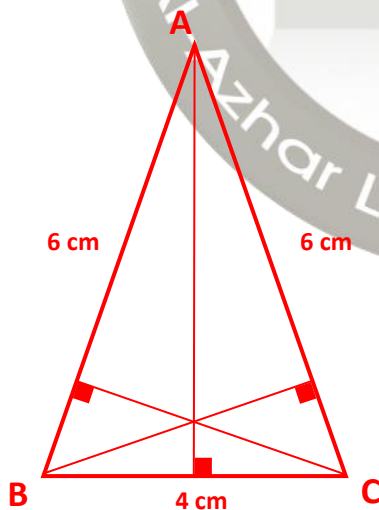
B)  $58.62 \times 35.2 = 2063.424 \approx 2063.42$

**Question 5:**

- a- 2      b- Outside      c- 0.76      d- X      e- C

**Question 6:**

A)



B)

a-  $\frac{36}{100} = \frac{9}{25}$

b-  $\frac{20}{100} = \frac{1}{5}$

c-  $\frac{15}{100} = \frac{3}{20}$

d-  $\frac{10}{100} = \frac{1}{10}$

## Model Exam (2)

### Question 1:

a-  $606.9765 \approx 606.98$

b-  $10.68 \approx 10.7$

c-  $1057.65 \approx 1058$

d-  $0.26625 \approx 0.266$

e-  $\frac{9}{2} \div \frac{5}{10} = \frac{9}{2} \times \frac{10}{5} = \frac{90 \div 10}{10 \div 10} = \frac{9}{1} = 9$

f- 5

g-  $8.56 \text{ m} \div 1000 = 0.00856 \text{ km}$

1.775

×

0.15

8875

17750

0.26625

10.68

152

1623.55

-152

1030

-912

1235

-1216

R= 19

### Question 2:

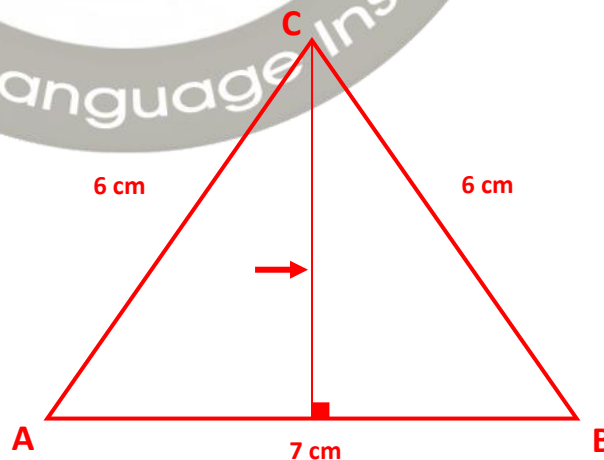
A)

a- The probability of getting an odd number =  $\frac{5}{10} = \frac{1}{2}$

b- The probability of getting a prime number =  $\frac{4}{10} = \frac{2}{5}$

c- The probability of getting an even number greater than 6 =  $\frac{2}{10} = \frac{1}{5}$

B) Length of line segment = 5cm



# Math

## Question 3:

A) a)  $X = 2$  and  $Y = 1$

b) Diameter

c) The probability of success  $= 1 - \frac{2}{15} = \frac{13}{15}$

d)  $72 \div 7 = 10.2 \approx 10$  weeks

e)  $X = 3$

f)  $\frac{9}{16} = 0.5625$ , the difference  $= 0.5734 - 0.5625 = 0.0109$

B) Area  $= L \times W$

$$W = 10.25 \div 4.1 = 102.5 \div 41 = 2.5 \text{ m}$$

$$\begin{aligned} \text{Perimeter} &= (L + W) \times 2 \\ &= (4.1 + 2.5) \times 2 \\ &= 6.6 \times 2 = 13.2 \text{ m} \end{aligned}$$

$$\begin{array}{r} 002.5 \\ 41 \overline{) 102.5} \\ \underline{-82} \phantom{00} \\ 205 \\ \underline{-205} \\ 00 \end{array}$$

## Question 4:

A)

a-  $\{4, 8, 9, 1, 2, 3\}$

b-  $\{1, 2\}$

c-  $\{3\}$

d-  $\{3, 5\}$

e-  $\{5\}$

B) .....  $\times 0.37 = 17.8932$

$$17.8932 \div 0.37 = 1789.32 \div 37 = 48.36$$

$$\begin{array}{r} 0048.36 \\ 37 \overline{) 1789.32} \\ \underline{-148} \phantom{00} \\ 309 \\ \underline{-296} \phantom{00} \\ 133 \\ \underline{-111} \phantom{00} \\ 222 \\ \underline{-222} \\ 000 \end{array}$$

C)

a- 3

b-  $\subset$

$$c- \frac{5}{2} \times \frac{2}{5} = 10$$

d- Chord

e- 56.9865

f-  $\emptyset$

## Question 5:

A)  $\frac{2}{6} = \frac{1}{3}$

B)

a- (✓)

b- (✓)

c- (✗)

d- (✓)

e- (✓)

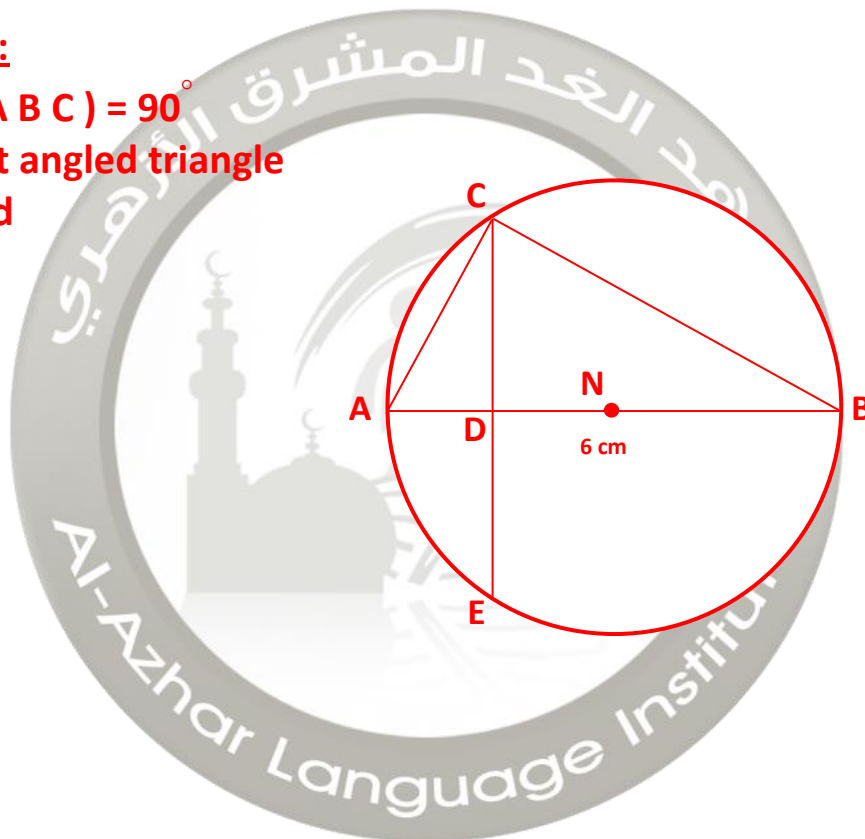
## Question 6:

A)  $m(\angle ABC) = 90^\circ$

a- Right angled triangle

b- Chord

c- C



B)  $375 \div 0.5 + 5 \frac{1}{4} = 750 + 5 \frac{1}{4} = 755 \frac{1}{4}$

## Model Exam (3)

### Question 1:

a-  $753.2489 \approx 753.249$

b-  $12460 \div 517 = 24.10 \approx 24.1$

c-  $755.149 \approx 755$

d-  $7.52 \div 3.15 = 2.3873 \approx 2.39$

e-  $\frac{17}{8} \div \frac{125}{1000} = \frac{17}{8} \times \frac{1000}{125} = 17$

f-  $X = 4$

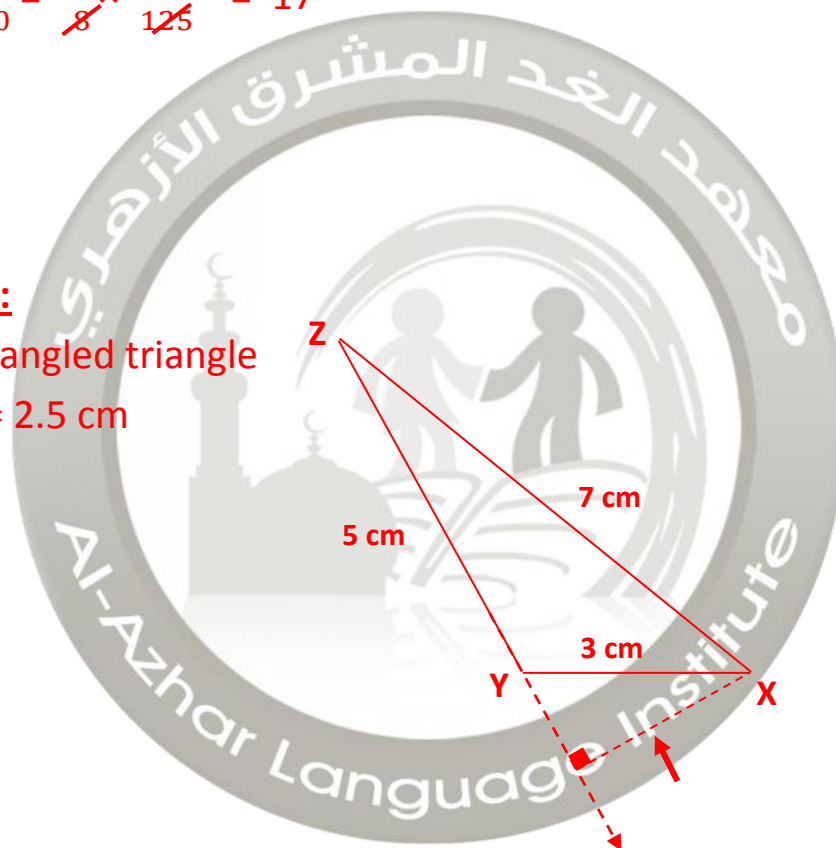
g- Center

h-  $\frac{2}{5}$

### Question 2:

A) Obtuse angled triangle

Length = 2.5 cm



B)

a-  $\frac{1}{6}$

b- The probability of getting letter A =  $\frac{1}{6}$

So, the number of times are predicted to get letter A =  $60 \times \frac{1}{6}$   
= 10 times



## Question 3:

A) Answer : 0.5 , 0.8 , 0.25 , 0.3

Arrange : 0.80 , 0.50 , 0.30 , 0.25

B) Area =  $S \times S$

$$= 5.06 \times 5.06 = 506 \times 506 = 25.6036 \text{ m}^2 \simeq 25.60 \text{ m}^2$$

C)

a-  $\notin$

b-  $\subset$

c-  $\subset$

d-  $\nsubseteq$

e-  $\in$

f-  $\nsubseteq$

## Question 4:

A) The probability to be one of the printing group =  $\frac{30}{120} = \frac{1}{4}$

B) The number of times needed =  $4375 \div 125 = 35$  times

## Question 5:

A)

a- 7

b- Diameter

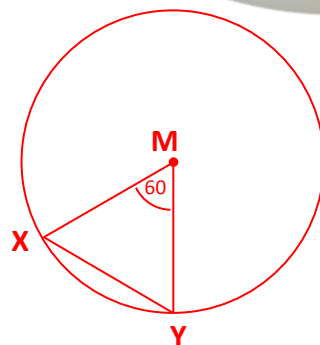
c-  $<$

d-  $\emptyset$

e-  $\notin$

f- One side = 6 cm , perimeter =  $6 + 6 + 6 = 18$  cm

B) XY = 2 cm



## Model Exam (4)

### 1) Complete:-

a)  $4.576 \approx 4.6$

b) Y

c)  $\frac{7}{5}$

d)  $X = 5$

### 2) Choose:-

a)  $\emptyset$

b) 10

c) 3

d)  $\frac{3}{12} \times \frac{3}{4} = 9$

3) Find:-

1)  $1.356 \approx 1.36$

2)  $17.2 \approx 17$

3) 4.1

b) Arrange in an ascending order:-

7.80, 7.75, 6.25, 6.40

6.25, 6.40, 7.75, 7.80

# Math

4)

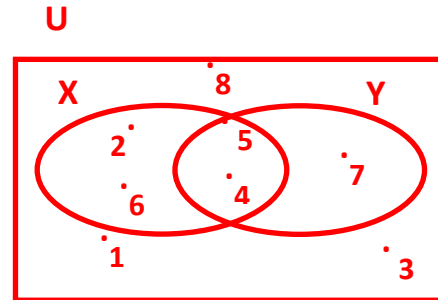
a)

1)  $X \cap Y = \{4, 5\}$

2)  $X \cup Y = \{2, 4, 5, 6, 7\}$

3)  $X - Y = \{2, 6\}$

4)  $\bar{X} = \{1, 3, 7, 8\}$



b)

1)  $\in$

2)  $\subset$

3)  $\subset$

5)

a),  $(\angle B) = 90^\circ$

**b) Complete:-**

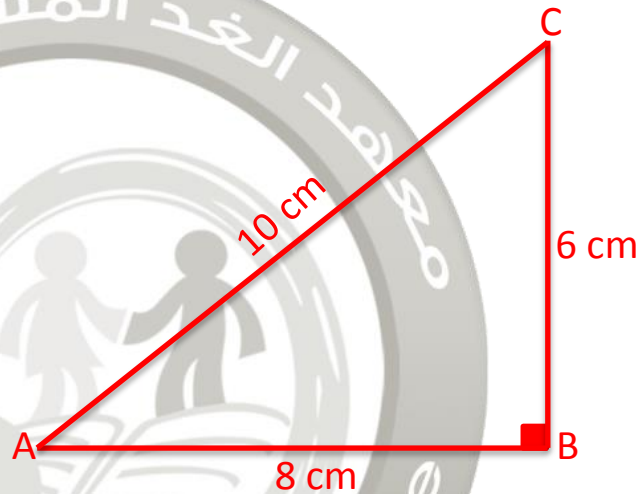
1) 0

2) 2

3)

a)  $\frac{3 \div 3}{6 \div 3} = \frac{1}{2}$

b)  $\frac{2 \div 2}{6 \div 2} = \frac{1}{3}$



## Model Exam (5)

### 1) Complete:-

- a)  $\subset$
- b) Impossible
- c)  $\frac{2 \div 2}{6 \div 2} = \frac{1}{3}$
- d) The vertex of the right angle.

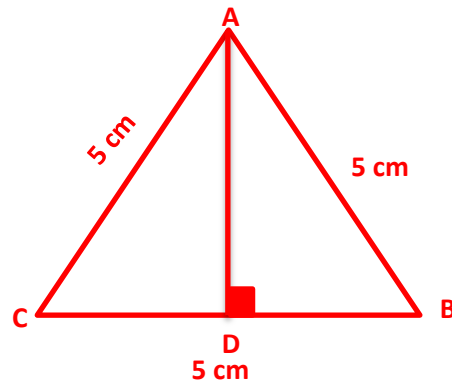
### 2) Choose:-

- a) 0.1
  - b)  $\frac{7^1}{2} \times \frac{12}{7_1} = \frac{12}{2} = 6$
  - c)  $\notin$
  - d) a diameter.
- 3)
- a) 14.250, 15.025, 14.375, 14.125  
14.125, 14.250, 14.375, 15.025
  - b)
- 1)  $\dot{X} = \{3, 5, 7\}$
  - 2)  $X \cup y = \{1, 2, 4, 5, 7\}$
  - 3)  $X \cap y = \{2\}$
  - 4)  $Y - X = \{5, 7\}$

4)

# Math

a)



b) Area of square =  $S \times S$

$$= 5.02 \times 5.02$$

$$= 25.2004 \text{ m}^2$$

$$25.2004 \approx 25.2 \text{ m}^2$$

5)

a) The price =  $2.5 \times 25 = 62.5$  pounds

b)

$$1) \text{ Not white} = \frac{15 \div 5}{20 \div 5} = \frac{3}{4}$$

$$2) \text{ White or red} = \frac{14 \div 2}{20 \div 2} = \frac{7}{10}$$

*Good Luck*