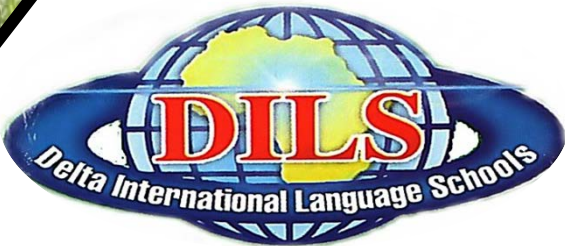




**Math**  
**Department**



**Primary 5**

First term

2014-2015

**Name:** .....

**Class: 5/**.....

## **Unit 1: Numbers and Operations**

### **Approximating to the nearest hundredth and thousandth**

#### **(1) Approximate each of the following to the nearest hundredth:**

- (a)  $12.455 \simeq$  .....
- (b)  $857.296 \simeq$  .....
- (c)  $10.995 \simeq$  .....
- (d)  $3\frac{17}{500} = \dots\dots\dots \simeq \dots\dots\dots$

\*\*\*\*\*

#### **(2) Approximate each of the following to the nearest thousandth:**

- (a)  $0.383 \simeq$  .....
- (b)  $52.3723 \simeq$  .....
- (c)  $537.2983 \simeq$  .....
- (d)  $8\frac{1}{8} = \dots\dots\dots \simeq \dots\dots\dots$

\*\*\*\*\*

#### **(3) Find the result of each of the following (write steps)**

- (a)  $65.384 + 63.427 = \dots\dots\dots \simeq \dots\dots\dots$  ( thousandth )
- (b)  $17.521 + 12\frac{1}{8} = \dots\dots\dots \simeq \dots\dots\dots$  ( hundredth )
- (c)  $3\frac{3}{8} - 1\frac{3}{4} = \dots\dots\dots \simeq \dots\dots\dots$  ( 2-decimal places )
- (d)  $9 - 3.5116 = \dots\dots\dots \simeq \dots\dots\dots$  ( 0.001 )
- (e) 57 days  $\simeq$  ..... weeks

\*\*\*\*\*

**(4)** write down the smallest and the greatest decimal fraction that includes the digits ( 2 , 5 , 7 , 1 ) , then approximate that number to the nearest hundredth and nearest thousandth.

**Smallest** = .....  $\simeq$  .....      **greatest** = .....  $\simeq$  .....

## Comparing and ordering fractions

**(1) put the suitable sign ( $>$ ,  $<$ ,  $=$ )**

(a)  $\frac{5}{8}$  .....  $\frac{3}{8}$

(b)  $\frac{3}{8}$  ..... 1

(c)  $\frac{8}{5}$  .....  $\frac{8}{3}$

(d)  $\frac{3}{5}$  .....  $\frac{6}{10}$

(e)  $\frac{3}{4}$  .....  $\frac{7}{5}$

(f)  $4\frac{2}{7}$  .....  $4\frac{1}{3}$

(g) 3.05 .....  $3\frac{1}{2}$

(h)  $1\frac{7}{8}$  ..... 1.125

(i) 3 .....  $2\frac{3}{3}$

\*\*\*\*\*

**(2) Arrange each of the following in ascending order :-**

(a)  $\frac{1}{2}$  ,  $\frac{3}{4}$  ,  $\frac{2}{3}$

The order is :- ..... , ..... , .....

(b) 5.7 ,  $5\frac{3}{4}$  , 6.2

The order is :- ..... , ..... , .....

\*\*\*\*\*

**(3) Arrange descendingly :-**

(a)  $3\frac{1}{4}$  ,  $3\frac{1}{2}$  ,  $2\frac{5}{11}$  ,  $3\frac{3}{8}$

The order is :- ..... , ..... , ..... , .....

\*\*\*\*\*

**(4) Write the possible values of  $x$  in each of the following, where  $x$  is an integer:**

a)  $\frac{4}{9} < \frac{x}{9} < \frac{8}{9}$

b)  $\frac{5}{7} < \frac{5}{x} < 1$

## Multiplying decimals by 10 , 100 and 1000

### (1) Multiply

(a)  $0.25 \times 10 = \dots\dots\dots$

(b)  $3.18 \times 10 = \dots\dots\dots$

(c)  $3.2 \times 10 = \dots\dots\dots$

(d)  $0.325 \times 100 = \dots\dots\dots$

(e)  $12.587 \times 100 = \dots\dots\dots$

(f)  $9.7 \times 100 = \dots\dots\dots$

(g)  $147.9 \times 100 = \dots\dots\dots$

(h)  $9\frac{1}{5} \times 10 = \dots\dots\dots$

(i)  $52\frac{7}{8} \times 100 = \dots\dots\dots$

(j)  $0.7215 \times 1000 = \dots\dots\dots$

(k)  $7.32 \times 1000 = \dots\dots\dots$

(l)  $\dots\dots\dots \times 100 = 58.69$

(m)  $(2.14 \times 10) + (8.35 \times 10) = \dots\dots\dots$

\*\*\*\*\*

### (2) Complete:

a)  $5.002 \text{ Kg} = \dots\dots\dots \text{ grams.}$

b)  $L.E 545.8 = \dots\dots\dots \text{ piasters.}$

c)  $5.6 \text{ km} = \dots\dots\dots \text{ m.}$

\*\*\*\*\*

## Multiplying decimals

(1) Put the decimal point in the underlined number :

(a)  $0.9 \times 0.3 = \underline{27}$

(b)  $0.2 \times \underline{4} = 0.08$

(c)  $\underline{17} \times 6 = 1.02$

(d)  $100 \times 0.175 = \underline{175}$

\*\*\*\*\*

(2) Find the product to the nearest (with steps) :-

(a)  $325 \times 0.23 = \dots\dots\dots \simeq \dots\dots\dots$  ( tenth)

(b)  $50.2 \times 2.8 = \dots\dots\dots \simeq \dots\dots\dots$  ( 1- decimal place)

(c)  $0.91 \times 0.7 = \dots\dots\dots \simeq \dots\dots\dots$  ( whole number )

(d)  $7.05 \times 0.05 = \dots\dots\dots \simeq \dots\dots\dots$  ( 0.001)

(e)  $1.2 \times 0.009 = \dots\dots\dots \simeq \dots\dots\dots$  ( hundredth)

\*\*\*\*\*

(3) Ahmed bought 10 pens , the price of each is 0.8 pounds , and two books for each 8.5 pounds . If he had 30 pounds . How many pounds were left with him ?

.....

.....

.....

## Multiplying and dividing fractions

**(1) Find the product of the following :-**

(a)  $\frac{1}{2}$  of  $\frac{1}{3} = \dots\dots\dots$

(b)  $\frac{4}{5} \times \frac{2}{3} = \dots\dots\dots$

(c)  $8 \times \frac{3}{4} = \dots\dots\dots$

(d)  $\frac{7}{10} \times \frac{5}{14} = \dots\dots\dots$

(e)  $\frac{5}{6} \times \frac{12}{15} = \dots\dots\dots$

(f)  $10 \times \frac{1}{2} = \dots\dots\dots$

(g)  $3\frac{1}{2} \times \frac{2}{7} = \dots\dots\dots$

(h)  $\frac{5}{6} \times 4\frac{1}{2} = \dots\dots\dots$

(i)  $7\frac{1}{2} \times 2\frac{2}{5} = \dots\dots\dots$

\*\*\*\*\*

**(2) Write the reciprocal of each of the following**

(a)  $\frac{2}{5} = \dots\dots\dots$

(b)  $\frac{7}{10} = \dots\dots\dots$

(c)  $6 = \dots\dots\dots$

(d)  $\frac{1}{8} = \dots\dots\dots$

(e)  $3\frac{1}{2} = \dots\dots\dots$

(g)  $4\frac{3}{4} = \dots\dots\dots$

(h)  $8\frac{1}{6} = \dots\dots\dots$

(i)  $7.25 = \dots\dots\dots$

**(3) Divide the following ( put the result in the simplest form ) :-**

**(a)**  $\frac{3}{4} \div \frac{9}{10} = \dots\dots\dots \times \dots\dots\dots = \dots\dots\dots$

**(b)**  $\frac{9}{10} \div \frac{7}{10} = \dots\dots\dots \times \dots\dots\dots = \dots\dots\dots$

**(c)**  $\frac{3}{10} \div \frac{2}{5} = \dots\dots\dots$

**(d)**  $3\frac{1}{2} \div \frac{7}{4} = \dots\dots\dots$

**(e)**  $9\frac{1}{5} \div \frac{23}{25} = \dots\dots\dots$

**(f)**  $5\frac{1}{4} \div \frac{1}{16} = \dots\dots\dots$

**(g)**  $2\frac{1}{7} \div 1\frac{1}{14} = \dots\dots\dots$

**(h)**  $6\frac{1}{2} \div 3\frac{1}{4} = \dots\dots\dots$

**(i)**  $\frac{1}{4} \div 3 = \dots\dots\dots$

**(j)**  $3\frac{1}{3} \div 8 = \dots\dots\dots$

## Dividing decimals by 10 , 100 and 1000

### (3) Divide

(a)  $96.7 \div 10 = \dots\dots\dots$

(b)  $0.251 \div 10 = \dots\dots\dots$

(c)  $753.4 \div 100 = \dots\dots\dots$

(d)  $4.03 \div 100 = \dots\dots\dots$

(e)  $7253.4 \div 1000 = \dots\dots\dots$

(f)  $54.071 \div 1000 = \dots\dots\dots$

\*\*\*\*\*

### (4) Complete

(a)  $4.85 \times 1000 = 48.5 \times \dots\dots\dots$

(a)  $3\frac{7}{20}$  meters =  $\dots\dots\dots$  centimeters

(b)  $4\frac{1}{2}$  cm =  $\dots\dots\dots$  m

(c)  $9\frac{1}{4}$  litres =  $\dots\dots\dots$  ml

\*\*\*\*\*



## Dividing by a 3-digit number

**(1) Find the quotient of each of the following ( with steps)**

(1) 
$$\begin{array}{r} \dots\dots\dots \\ 29 \overline{)13282} \end{array}$$

(2)  $6188 \div 221$

(3)  $54060 \div 265$

(4) 
$$\begin{array}{r} \dots\dots\dots \\ 125 \overline{)25625} \end{array}$$

\*\*\*\*\*

**(2) Ahmed bought a car for 28170 pounds .He paid 8450 pounds in Cash and paid the rest in 136 equal installments. Find the value of each installment.**

.....

.....

.....

\*\*\*\*\*

**(5) A tourist group of 1495 tourists reached Alex Airport to visit Luxor and Aswan. They all got into a train from Alex station. If each train carriage holds 115 passengers, Find the number of carriages they got into.**

.....

.....

.....

**Dividing by a decimal fraction and a decimal number.**

**(1) Find the quotient in each of the following:**

**a)  $0.416 \div 0.8$**

**b)  $0.0874 \div 0.46$**

**c)  $357 \div 0.7$**

**d)  $0.7595 \div 0.31$**

\*\*\*\*\*

**(2) A bundle of paper has a height of 4.5 cm. If all its sheets were of equal thickness where the thickness of each paper was 0.090 millimeters, Find how many sheets does the bundle include?**

.....  
.....

## Infinite division

**(1) Find the quotient of each of the following**

**(a)  $3 \div 4$**

**(b)  $1 \div 8$**

\*\*\*\*\*

**(2) Find the quotient of ( With steps) :-**

**(a)  $45672 \div 673$  approximating to the nearest one decimal place.**

**b)  $2 \div 3$  approximating to the nearest two decimal place.**

**c)  $4 \div 13$  approximating to the nearest two decimal place.**

\*\*\*\*\*

**(2) I am a number if you divide me by 631 the quotient will be 30 who am I ?**

.....  
.....

\*\*\*\*\*

## Unit Test

### 1- Complete:

a)  $\frac{7}{80} \simeq \dots\dots\dots$  to the nearest hundredth

b)  $9\frac{3}{25} \simeq \dots\dots\dots$  to the nearest tenth

c)  $39\frac{2}{5} - 7.25 = \dots\dots\dots \simeq \dots\dots\dots$  to the nearest unit

d)  $46.6 \text{ dm} = \dots\dots\dots \text{ cm}$

e)  $3.75 \times 1000 = \dots\dots\dots$  ,  $73.475 \div 100 = \dots\dots\dots$

f)  $\dots\dots\dots \times 100 = 42.5$  ,  $\dots\dots\dots \div 10 = 324$

---

### 2- Choose the correct answer

a) The quotient of dividing  $5.45 \div 0.5 = \dots\dots\dots$  ( 1.9 , 1.09 , 10.9 , 109 )

b)  $327 \div 24 = 3.27 \div \dots\dots\dots$  ( 2.4 , 0.24 , 24 , 2004 )

c)  $\frac{1}{25} \times 50 \times 0.25 = \dots\dots\dots$  ( 4 ,  $\frac{1}{4}$  ,  $\frac{1}{2}$  , 2 )

d) 43 days  $\simeq \dots\dots\dots$  to the nearest week ( 4 , 6 , 5 , 7 )

---

### 3- Find the result

a)  $12\frac{1}{2} \div 6\frac{1}{4} = \dots\dots\dots$

b)  $2.4 \times 4.7 = \dots\dots\dots$

c)  $\frac{3}{8} \times \frac{2}{9} = \dots\dots\dots$

d)  $( 10.555 - 8.245 ) \div 2.8 = \dots\dots\dots$

e)  $9375 \div 15 = \dots\dots\dots$

f)  $\frac{17}{40} \div 0.85 = \dots\dots\dots$

g) If  $a = 18.24$  ,  $b = 8.354$  find the result of  $a + b$  to the nearest hundredth

**4 ) Mahmoud bought a computer for 2000 pounds . he paid 250 pounds cash money and divided the remainder into 50 equal monthly installments. Calculate the value of each installment.**

---

**5) The length of a piece of cloth is 9.25 m , 12 towels are made of it . the length of each towel is 0.75 m . How many meters are the remainder?**

---

**6) Arrange in an ascending order.**

$$\frac{1}{4} , 0.8 , 0.4 , \frac{1}{2} , \frac{3}{4}$$

**The order : ..... , ..... , ..... , ..... , .....**

---

**7) Arrange in a descending order.**

$$3.4 , 0.0333 , 0.3033 , 3.333 , 0.3303$$

**The order : ..... , ..... , ..... , ..... , .....**

---

## **Unit 2: Sets**

**What is a Set ?**

**(1) Complete:**

The set is .....

.....

**(2) State which of the following is a set and which is not a set ,  
mention the elements of these sets:-**

- a) Egyptian flag colors.
- b) Months of the year.
- c) Beautiful flowers.
- d) Tall students in your class.

## Mathematical expressions of a set

1) The two ways of representing a set are .....method and ..... method.

2) **List each of the following Sets :**

a) The set of days of the week

.....  
.....

b) The set of whole numbers which are less than 5

.....  
.....

c) The set of whole numbers between 5 and 6

.....  
.....

3) **Represent each of the following sets by Venn diagram:**

a)  $X = \{ 2, 3, 4 \}$

b) The set of the letters of the word Ali

## Belonging of an element to a set

(1) Put the suitable symbol (  $\in$  ,  $\notin$  ) :-

- a) 1 .....{1 , 5 , 12 }
- b) 15 ..... {1 , 5, 12 }
- c) 3 ..... { 2 , 20 , 33 , 44 }
- d) 7 ..... The set of days of the week.
- e) 5 ..... The set of odd numbers.

## Types of sets

1) Write the suitable word ( Finite set , infinite set , empty set ) :-

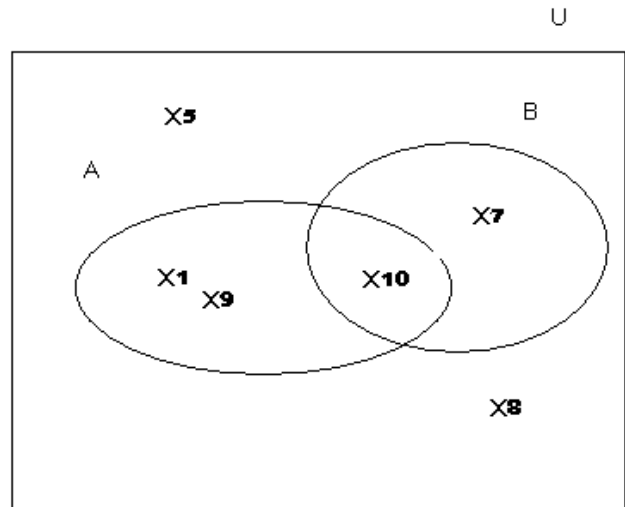
- a) { 1 , 2 , 3 , 4 , .....} .....
- b) The set of cats with 10 legs .....
- c) The set of prime even numbers .....
- d) The set of whole numbers between 1 and 2 .....



## Operations on sets

### 1) Complete using the opposite venn diagram :-

- a)  $U = \dots\dots\dots$
- b)  $A = \dots\dots\dots$
- c)  $B = \dots\dots\dots$
- d)  $A \cap B = \dots\dots\dots$
- e)  $A \cup B = \dots\dots\dots$
- f)  $A^c = \dots\dots\dots$
- g)  $B^c = \dots\dots\dots$
- h)  $U^c = \dots\dots\dots$
- i)  $A - B = \dots\dots\dots$
- j)  $B - A = \dots\dots\dots$
- k)  $\Phi^c = \dots\dots\dots$



### 2) Represent the sets X , Y , U by venn diagram , then complete :-

- a)  $X = \{ 1, 2, 4, 7, 0, 11 \}$
- b)  $Y = \{ 1, 2, 8, 9, 19, 22 \}$
- c)  $U = \{ 1, 2, 3, 4, 7, 0, 11, 8, 9, 19, 22, 76 \}$
- d)  $X \cap Y$
- e)  $Y \cup X$
- f)  $X^c$
- g)  $Y^c$
- h)  $X - Y$

# Unit Test

## 1) Complete by using the suitable symbol ( $\in, \notin, \subset, \not\subset$ ):

- |                                     |  |
|-------------------------------------|--|
| a) $8 \dots\dots\{ 7, 5, 8, 88 \}$  | b) $\{8\} \dots\dots\{7, 5, 8, 88\}$       |
| c) $\emptyset \dots\dots\{ 2, 4 \}$ | d) $\{ 4, 8 \} \dots\dots\{ 4, 5, 6, 8 \}$ |
| e) $7 \dots\dots\{3, 5, 9\}$        | f) $\{9\} \dots\dots\{99\}$                |
| g) $\{1\} \dots\dots\{1, 11, 111\}$ | h) $\{1, 2\} \dots\dots\{21, 12\}$         |

## 2) Complete :

- |   |   |
|---|---|
| a) $\{3, 4\} \cap \{2, 4\} = \dots\dots\dots$       | b) $\{3, 4\} \cap \{43\} = \dots\dots\dots$         |
| c) $\{2, 3, 4\} \cap \{3, 5, 2\} = \dots\dots\dots$ | d) $\{3, 5\} \cup \{4, 6\} = \dots\dots\dots$       |
| e) $\{2, 4, 7\} \cup \{1, 4, 7\} = \dots\dots\dots$ | f) $\{a, b, c\} \cup \{b, c, a\} = \dots\dots\dots$ |

## 3) If X and Y are two non-empty sets then :

- |   |   |
|---|---|
| a) $X \cap \emptyset = \dots\dots\dots$               | b) $X \cap X = \dots\dots\dots$                           |
| c) if $X \subset Y$ then $X \cap Y = \dots\dots\dots$ | d) if $X \cap Y = Y$ then $\dots\dots \subset \dots\dots$ |

## 4) Complete by putting the suitable symbol ( $\in, \notin, \subset, \not\subset$ ):

If  $Y = \{2, 4, 6\} \cup \{1, 2, 3\}$  then :

- |                              |  |
|------------------------------|--|
| a) $\{6\} \dots\dots\dots Y$ | b) $\{1, 2, 3, 4, 6\} \dots\dots\dots Y$ |
| c) $6 \dots\dots\dots Y$     |  |

## 5) If $A = \{5, 6, 7\} - \{2, 4\}$ then :

- |                     |                            |                         |
|---------------------|----------------------------|-------------------------|
| a) $4 \dots\dots A$ | b) $\{6, 5\} \dots\dots A$ | c) $\{7\} \dots\dots A$ |
| d) $7 \dots\dots A$ | e) $\{2\} \dots\dots A$    |                         |

## 6) Complete:

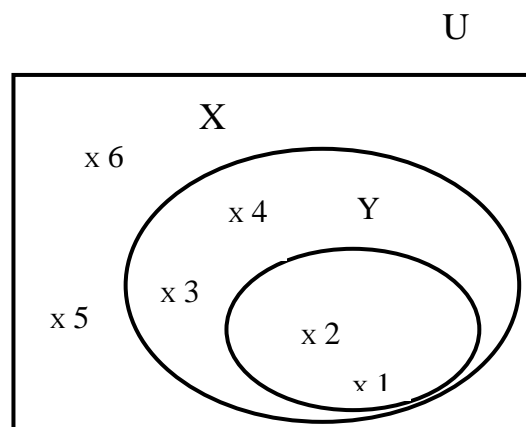
- a) If  $X = \{2, 4, 5\} \cap \{3, 5, 7\}$  then  $1 \dots X$
- b)  $\{1, 8\} \dots \{0, 1, 2, 3, 4, 5, \dots\}$
- c) If  $X \subset Y$  then  $X - Y = \dots$
- d) If  $X \dots Y$  then  $X \cap Y = X$
- e) If  $X$  and  $Y \dots U$  then  $X \cup Y = Y \cup X$
- f)  $\{3\} \dots \{3, 6\}$
- g)  $3 \dots \{30, 33\}$
- h)  $12 \dots \{0, 2, 4, 6, \dots\}$
- i) ) Zero  $\dots \{ \}$
- j)  $3 \dots$  the set of factors of the number 18
- k) If  $\{3, 6\} = \{1+x, 3\}$  then  $x = \dots$
- l) If  $X \subset Y$  then  $X - Y = \dots$

7) Represent the two sets  $A$  and  $B$  by Venn diagram in each of the following cases then find  $A \cap B$ ,  $A \cup B$ ,  $A - B$  and  $B - A$ :

- a)  $A = \{1, 2, 3, 6\}$ ,  $B = \{2, 3\}$
- b)  $A = \{4, 7, 6, 5, 1\}$ ,  $B = \{2, 3, 4, 5, 6\}$
- c)  $A = \{a, m, x\}$ ,  $B = \{a, f, x, m\}$

8) Use the opposite Venn diagram to write the following sets:

- a)  $X - Y$
- b)  $X \cap Y$
- c)  $X \cup Y$
- d)  $(X - Y)^c$

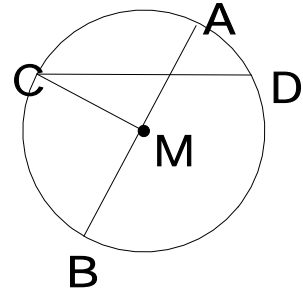


## Unit 3: Geometry

### The circle

#### (1) In the opposite figure

- (a) The point M is called .....
- (b)  $\overline{AB}$  is called a ..... in the circle.
- (c)  $\overline{CD}$  is called a ..... in the circle.
- (d)  $AM = \dots = \dots = \dots$



- 
- (2) Draw circle M with radius  $MA = 4$  cm, find the length of the greatest chord .

- (3) Draw circle N with diameter  $AB = 9$  cm, then draw the chord  $AC = 5$  cm. join  $BC$  , then find

(a)  $m(\angle ACB)$

(b) The type of the triangle ABC.

## Constructing a triangle

1) Draw a triangle ABC ,  $AB = 5 \text{ cm}$  ,  $BC = 6 \text{ cm}$  ,  $m(\angle B) = 50^\circ$  , then find the type of triangle according to its sides , then draw the altitude from A to  $\overline{BC}$ .

2) Draw a triangle XYZ , in which  $XY = 6 \text{ cm}$  ,  $m(\angle X) = 120^\circ$  ,  $m(\angle y) = 30^\circ$  , Find the type of the triangle according to its angles, then draw the altitude from X to  $\overline{YZ}$  .

3) Draw the triangle ABC in which  $AB = 5 \text{ cm}$  ,  $BC = 4 \text{ cm}$  ,  $CA = 3 \text{ cm}$ , then find the type of the triangle according to its angles , then draw the altitude from B to  $\overline{AC}$  .

4) Draw the triangle LMN in which  $LM = 6 \text{ cm}$  ,  $MN = 6 \text{ cm}$  ,  $NL = 6 \text{ cm}$  , then find the type of the triangle according to its angles, then draw the altitude from L to  $\overline{MN}$ .

## Unit Test

### 1 - Complete:

- a) Any chord which passes through the centre of the circle is called .....
- b) If a circle's diameter's length is 8 cm . then its radius length = .....cm
- c) The chord of the circle which passes through its centre is .....
- d) If the length of sides of the triangle are 6 , 6 , 6 length unit , then it is called ..... triangle and the measure of each of its angle =.....
- e) The number of altitudes of the obtuse triangle is .....
- f) The altitudes of the right angle triangle intersect at .....
- g) The chord which passes through the centre of the circle is called .....
- h) Any line segment which joins two points on the circle is called .....
- i) It's possible to draw a triangle if the length of .....are known
- j) The diameter of the circle of radius 1 cm = ..... Cm
- k) The triangle which the length of its sides is equal is called .....
- l) The number of altitudes of any triangle is .....

### 2- Story problems

- a) Draw the triangle ABC in which AB = 6cm, BC = 8 cm, AC = 10 cm  
then draw the circle M whose diameter is AC . Then find:
  - The perimeter of the triangle ABC
  - Use the protractor to find the measure of  $\angle ABC$
  - The length of AM , BM , CM
  - The type of the triangle MBC due its angles
  - Mention two isosceles triangles

b) Draw the isosceles triangle  $ABC$  which is a right angled triangle at  $B$  where  $AB = 5$  cm. from  $B$  draw the line segment which is perpendicular to  $AC$  ( say  $BD$ ) and measure its length .



## **Unit 4: Probability**

### **Lesson 1 : Investigating experiment and outcomes.**

**Probability** means the chance or likelihood that something will happen.

a) If a coin is tossed once , the probability of getting

Head = .....

b) When rolling a dice once , the probability of getting

A number greater than 3 is .....

c) A bag has 9 red balls , 6 black balls , and 3 white balls. Find the probability of getting:

1) Red ball= .....

2) Black ball=.....

3) White ball=.....

4) The greatest chance for ..... ball .

5) The moderate chance for ..... ball .

6) The weak chance for ..... ball .

---

#### **(Think)**

What if there are 18 balls in a basket, and the probability

Of picking a red ball is one sixth. So, how many red balls  
Are there in the basket?

## Lesson 2: Certain and impossible events

### 1- Complete :

- a) The probability of certain event is .....
- b) The probability of impossible events is .....
- c) The probability of possible events is between ..... and .....

### 2- Write "certain" , "Possible" , or "impossible" :

Kareem will get the full mark in math. (.....)

The sun rises from the west . (.....)

The day after Friday is Saturday. (.....)

## Unit Test

### 1- Complete:

- a) The probability of sure event is.....
- b) The probability of impossible event is.....
- c) The probability of possible event between .....and .....
- d) As tossing a metallic coin once , then the probability of appearing ahead is .....
- e) As throwing a fair die once , then the probability of appearing a prime number is .....
- f) As throwing affair die once , then the probability of appearing a number less than 3 is .....
- g) A class has 40 pupils . 15 of them are boys and the remainders are girls. if a pupil chosen randomly , then the probability that the pupil is a girl is .....

### 2- Story problems

- a) A fair die is thrown once. What is the probability of each of the following events?
  - Appearing odd number
  - Appearing an even number
  - Appearing a prime number and not even
  - Appearing an odd prime number
  - Appearing a number less than 1
  - Appearing a number more than 5
- b) A bag contains 5 red balls , 8 black balls and 7 white balls . all of them are identical and equal in volume . a ball is drawn randomly , calculate the probability that:

- The drawn ball is black
- The drawn ball is not green
- The drawn ball is red or white
- The drawn ball is neither red nor white