Mock Paper AYE-2018
Year 4
Section A

Q1. Encircle the correct answer.

   a) 38.74 will be _____ when rounded off to the nearest whole number.
   - i.   38
   - ii.   39
   - iii. 37
   - iv.   36

   b) Prime numbers have _____ factors
   - i.   More than two
   - ii.   two
   - iii. only one
   - iv.   zero or no

   c) Which number is a factor of 54
   - i.   5
   - ii.   10
   - iii. 6
   - iv.   4

   d) 3km = _____ m
   - i.   30
   - ii.   300
   - iii. 3000
   - iv.   30,000

   e) A square has _____ right angles.
   - i.   6
   - ii.   2
   - iii. 8
   - iv.   4

   f) 1 ¾ liters is the same as _____.
   - i.   1250 ml
   - ii.   1125 ml
   - iii. 1750 ml
   - iv.   750 ml

   g) 8/10 as a decimal fraction is written as _____
   - i.   8.10
   - ii.   0.08
   - iii. 0.8
   - iv.   80

h) In a rectangle there are _____ lines of symmetry.
   i. 8
   ii. 1
   iii. 4
   iv. 2

i) The product of 12 and 16 is
   i. 192
   ii. 168
   iii. 186
   iv. 129

j) Which list consists of all 3 numbers that are multiples of 13
   i. 13, 27, 39
   ii. 13, 26, 39
   iii. 13, 27, 38
   iv. None of the above

Q2. Fill in the blanks.
a) 4.5m = _____ cm
b) Increase 40.5 by 3.7 _____
c) 4/100 = _____
d) Lines which make 90° angle with each other are _____.
e) Express 7.5 as fraction _____.
f) 4.5 kg= _____ g
g) 964 ÷ 100=_____
h) I am an angle which is more than 90° but less than 180° _____.
i) Seven times nine is _____
j) The first common multiple of 6 and 7 is _____

Q3. State whether it is True or False (T/F).
a. The quotient is 268 when 804 ÷ 3. (_____)
b. The North-South line is perpendicular to East-West line. (_____)
c. Acute angle is of 90°. (_____)
d. 120 x 10 is 1200. (_____)
e. 1 is a prime number. (_____)
f. 2kg is more than 200g. (_____)
g. Reflective symmetry is where one half is the reflective of the other half. (_____)
h. 0.47 is equal to 47%. (_____)
i. 25 has three factors. (_____)
j. 8.3 will be 9 when rounded off to the nearest whole number. (_____)

Q4a. Fill in the missing spaces in the following tables.

Number	Round off to the nearest whole number	Round off to the nearest tenth
36.52		
53.47		
42.86		

4b. Convert

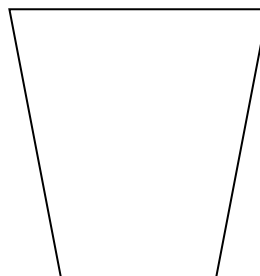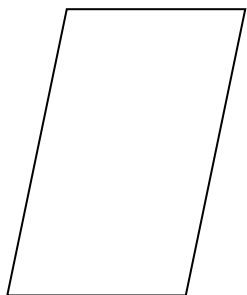| Fraction	Decimal	Percentage
3/10		
	0.25	
		63%
	0.04	

4c. Write first three prime numbers.

_____, _____, _____,

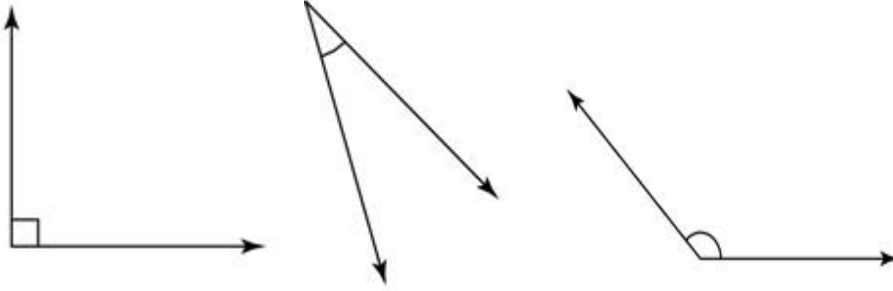**Q5a. Complete the following.**
   i.   2.64 km= _____ m
   ii.   1/4 l = _____ml
   iii.   3.5 kg= _____g
   iv.   6500 ml= _____l
   v.   4.38cm = _____mm

5b. Draw lines of symmetry in the following shapes.
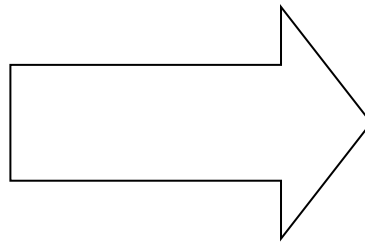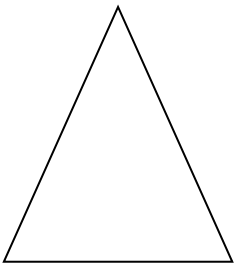
5c. Name the angles.

_____   _____   _____

Q6. Do as directed.

a. Study the patterns and fill in the blanks.

   i.   792 346, _____, 792342, 792 340, _____, 792336.

   ii.   882 016, 882 021, _____, 882 031, _____, 882 041.

b. Arrange these numbers in order. Begin with the greatest.

i) 70 000,   8469,   71 074,   68 400,   3546

_____, _____, _____, _____, _____,

ii) 3Kg 900 g,   1009g, 73045g,   9Kg 407g,   9Kg502g

_____, _____, _____, _____, _____,

c. Express the given quantities in column A in decimals in column B.

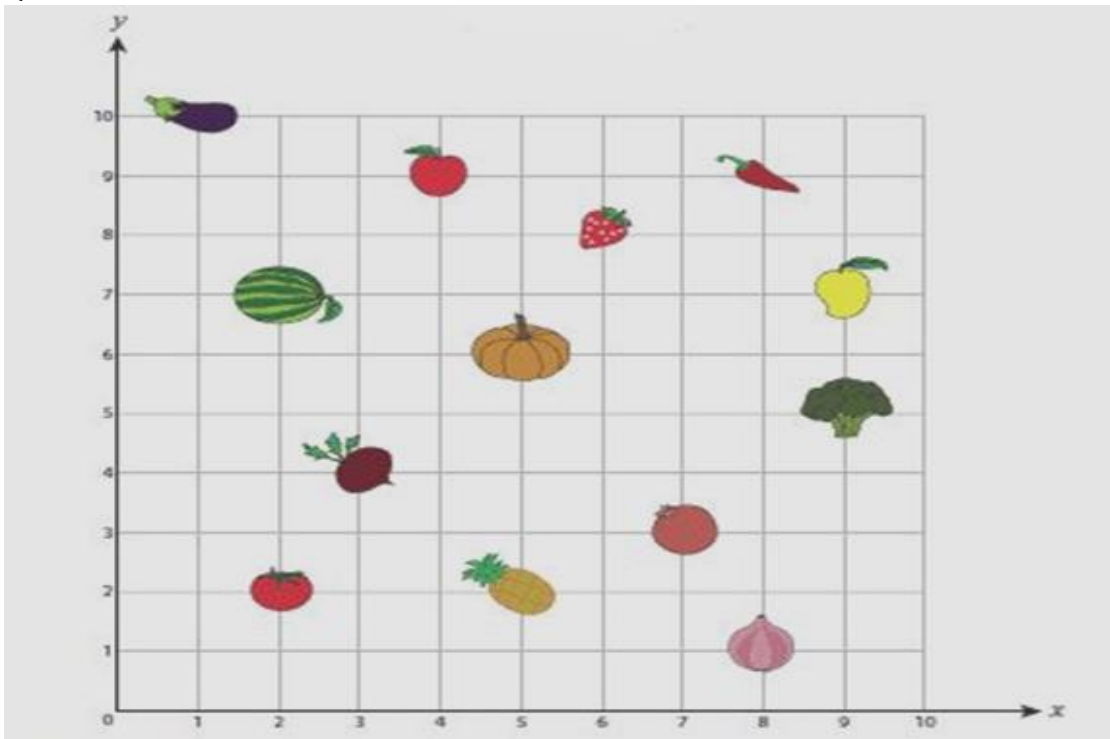|	Column A	Column B
i.	1300g	kilogram
ii.	7695 ml	liter
iii.	3/4 m	m
iv.	2 ¼	
v.	72/100	
vi.	One and half liter	Liter

Section B

Q7. Solve

   i.   396.90 + 804.3   ii. 269 x 73

   iii.   700.000 - 274.92   iv. 736 ÷ 7

   v.   34.9 x 6

Q8. Do as directed.

i.   Write the ordered pair for each item.   ii. Write theitem located at each ordered pair.
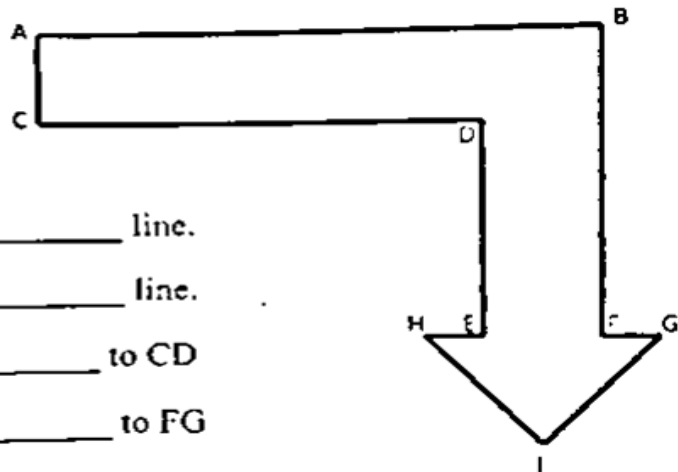
1)   _____

2)   _____

3)   _____

4)   _____

5)   _____

6)   (2,2)   _____

7)   (9,7)   _____

8)   (2,7)   _____

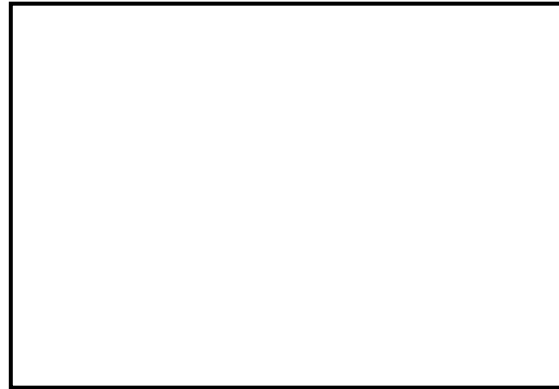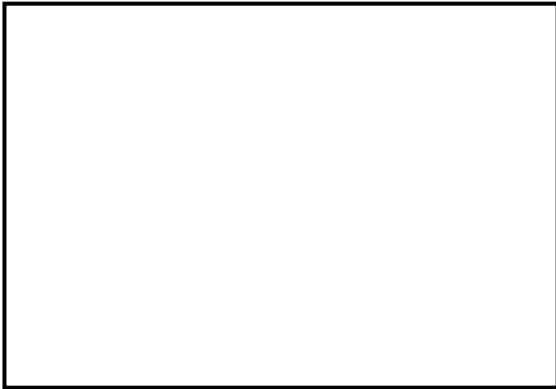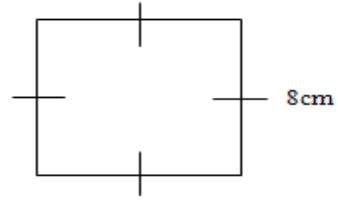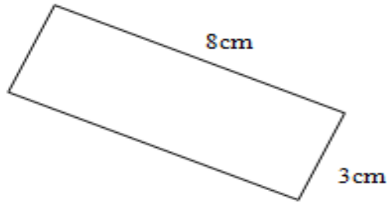9)   (3,4)   _____

10) (7,3)   _____

Q9a. Look at the following diagram and fill in the blanks by using the words in the box below.

Vertical, horizontal, parallel ,perpendicular

i) DE is a _____ line.

ii) CD is a _____ line.

iii) AB is _____ to CD

iv) BF is _____ to FG

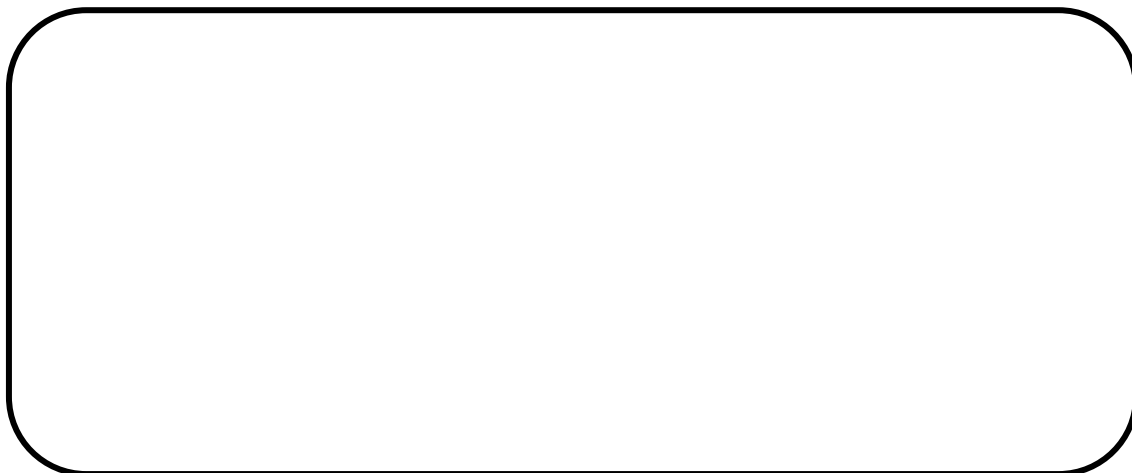**b. Find the area of the following figures.**

8cm

3cm

8cm

c. The perimeter of a square is 20cm. Find the length of one side of the square.

d. The area of a rectangle is 56 square centimeter. Its length is 8cm. Find its breadth.

Q10.

a. Sania bought a tent for Rs. 38.75 and a sleeping bag for Rs 29.65. How much change did she get back from Rs. 200?

b. 6.35 kg of sand is mixed with 2.5kg of cement ready to make some concrete. What is the total weight of this mixture?

c. The price of 1 liter of petrol is $76.29. My car has a capacity of 9 liters. How much money will it cost me to fill up my car?

d. Ahmed bought 965 pieces of chocolates. He plans to divide all the chocolates equally among seven friends. How many pieces of chocolates will Ahmed have left for himself?