MODERN PUBLIC SCHOOL, SECTOR-37 FBD

CLASS- 6th

SUB- MATHS

SUMMER HOLIDAYS HOME WORK (2022-23)

Q.1 Find the value of the following

(i) $658 \times 42 + 658 \times 158$ (ii) $81265 \times 187 - 81265 \times 87$

Q.2 using suitable properties, find the following products

(i) 674×110 (ii) 1396×99 (iii) 1006×178

Q.3 Express each of the following even numbers as the sum of two odd prime numbers: (i) 18 (ii) 44

Q.4 write all the factors of the following natural numbers

(i) 68 (ii) 27 (iii) 210

Q.5. A number is divisible by both 5 and 12. By which other numbers will that number be always divisible?

Q.6 find the greatest number which divides 290 and 538 leaving remainders 3 and 5 respectively.

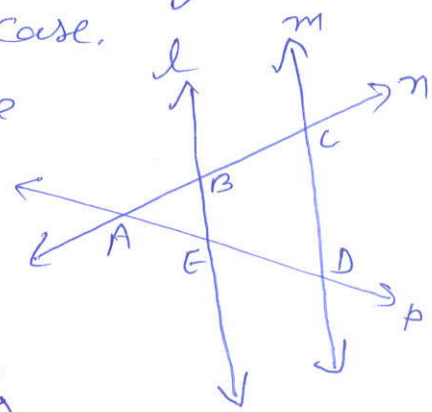
Q.7. find the least number which when divided by 12, 16 and 36 leaves a remainder 7 in each case.

Q.8 from the adjoining figure, write

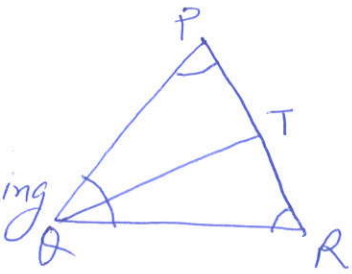
(i) all pairs of parallel lines

(ii) all pairs of intersecting lines.

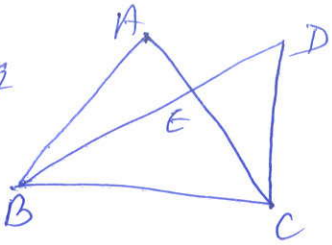
(iii) collinear points



Q.9 How many angles are marked in the adjoining figure? Name them.



Q.10 In context of the adjoining figure, name



(i) all triangles

(ii) all triangles having point E as common vertex.

Q.11 Name the types of the following triangles

(i) $\triangle ABC$ with $AB = 8cm$, $AC = 7cm$ and $BC = 5.5cm$

(ii) $\triangle PQR$ with $PQ = RP = 5cm$ and $QR = 7.3cm$

(iii) $\triangle DEF$ with $\angle D = 90^\circ$

Q.12 What is the shape of

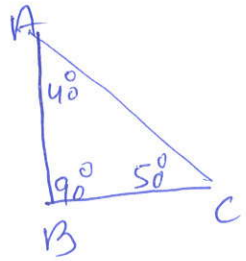
(i) a drum? (ii) a sweet laddu? (iii) a matchbox?

Q.13 classify the angles whose measures are given below:

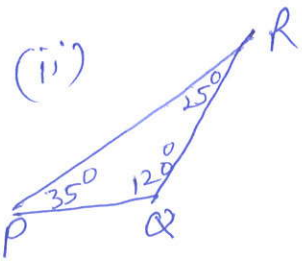
(i) 215° (ii) 125° (iii) 89°

Q.14 Name the following triangles with regards to angles.

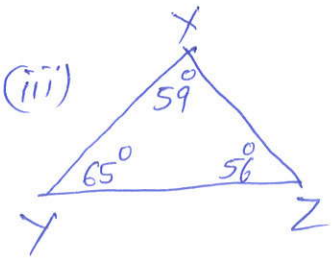
(i)



(ii)



(iii)



Note 1. Do practice of chapter 2, 3, 4 and 5. in rough notebook.

Note 2. Do holidays home work in fair register.

Activity

To verify that addition is commutative for whole numbers by paper cutting and pasting.