1.Two students appeared for an examination one of them secured 9 marks more than the other and his marks was 56% of the sum of this marks. What marks obtained by them?

Ans : 33,42

Explanation : let the marks be x and (x+9)

Sum of the marks =x+(x+9)=2x+9

Given x+9 was 56% of sum of their marks

x+9= (56/100)(2x+9) => x+9=14/25(2x+9)

25x+225 =28x+126

3x=99 =>x=33

Other one marks is x+9=33+9= 42

2. if 20% a=b , b% of 20 is same as ?

Ans :4% of a

Explanation : 20% a =b

b = 20/100 a

b% of 20 =b/100(20)

(((20/100)a)/100)20 = 4/100 a => 4% of a

3.Three candidates contested an election and received 5267 ,4529,12202 votes respectively .what % of the total votes did the winning candidate get?

Ans :55.46%

Explanation : total = 5267+4529+12202 = 21998

12202\*100/21998 =55.46%

4.A fruit seller had some oranges . He seels 40% oranges and still has 540 oranges. H ow many oranges he had originally ?

Ans : 900

Explanation : 60% of oranges =540

60\*total oranges/100 =540

=>total oranges =(540\*100)/60 =900

5. what % of day is 6hours?

Ans :25%

Explanation : Total hour in a day is 24hr

(6\*100)/24=25%

6. what % of day is 8hours?

Ans :33.33%

Explanation : Total hour in a day is 24hr

(8\*100)/24= 33.33%