10. Bradley received \$5000 from his grandmother. He invested $\frac{3}{4}$ of the money.

(a) How much money did he invest?

Investment Computation

——— × ———

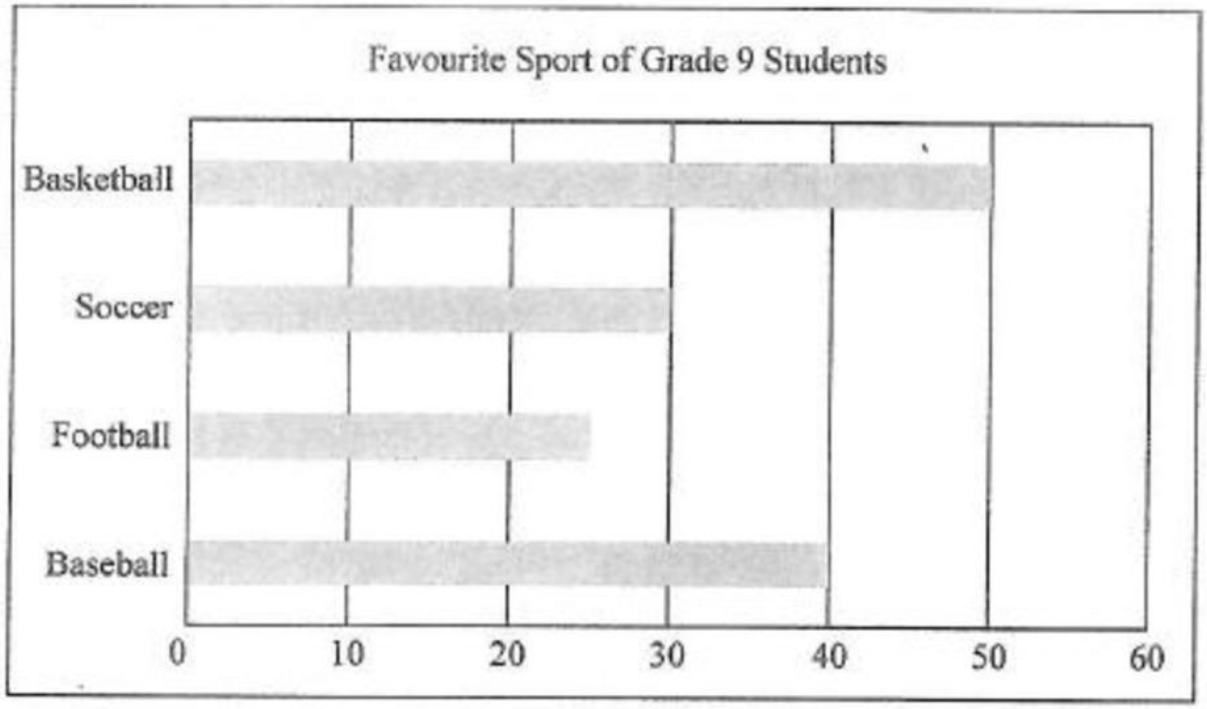
Answer: _____ [2]

(b) Bradley invested the money for 2 years at a simple interest rate of 5% per annum.

Calculate the interest earned.

Answer: _____ [3]

10. The graph below shows the results of the favourite sport of a group of grade 9 students.



(a) Which sport is the second most popular?

Answer: _____ [1]

(b) How many students were surveyed altogether?

Answer: _____ [2]

(c) What is the difference between the numbers of students who like basketball and football?

Answer: _____ [2]

10. Mrs. Dames shared $20,000 between her two sons Bob and Sam in the ratio 2 : 3 respectively.

(a) Calculate the amount that Bob received.

Fraction of Bob = ———

Bob's Share Computation

——— × ———

Answer: _____ [2]

(b) Bob invested his share for 2 years at 4% per annum simple interest.

Calculate,

(i) the interest earned?

Answer: _____ [3]

(ii) the amount of money he had at the end of the 2 years?

Answer: _____ [2]

10. The weight of 5 boxes is 340 g, 345 g, 350 g, 350 g and 355 g.

(i) State the modal weight of the boxes.

Answer: _____ g [1]

(ii) Determine the median weight of the boxes.

Answer: _____ [1]

(iii) Calculate the mean weight of the boxes.

Total Weight of The Boxes =

Average Weight of The Boxes =

Answer: _____ [3]

(iv) Express the weight of the heaviest box in kilograms

Answer: _____ [2]

10. The table shows the scores of a group of students on a test.

Number of students	Score %
6	60
2	80
2	100

(a) State the modal score.

Answer: _____ % [1]

(b) Calculate the number of students in the class.

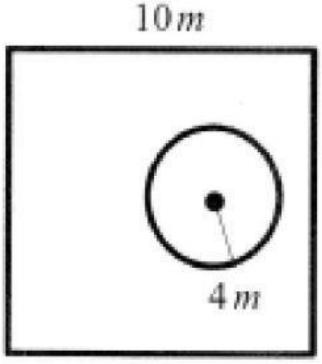
Answer: _____ [1]

The total of the scores is 720.

(c) Calculate the mean mark of the class.

Answer: _____ % [2]

10. Mr. Capron has a piece of land in the shape of a square of side $10\,m$.



NOT DRAWN TO SCALE

(a) Calculate the area of the land.

Answer: _____ [2]

He wants to plant a circular rose garden on the land of radius 4 *m*.

(b) Calculate the area of the circular rose garden. (use $\pi = 3.14$)

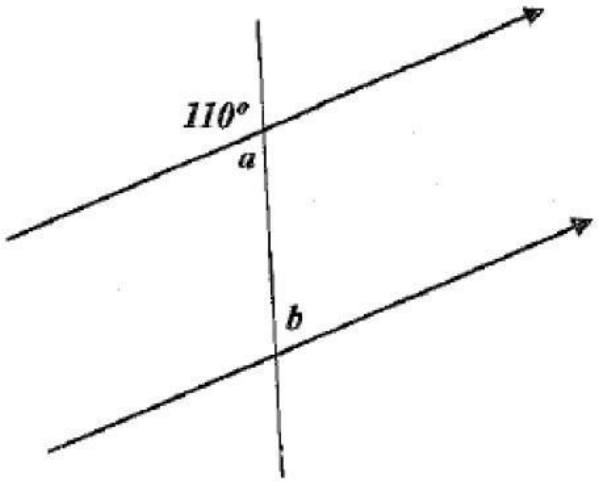
Answer: _____ [3]

He planted the remainder of the land with grass.

(c) Calculate the area of grass.

Answer: _____ [2]

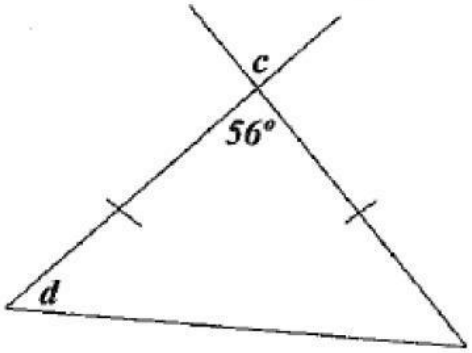
10. Determine the value of the angles marked by letters.



NOT DRAWN TO SCALE

Answer: a = _____ ° [2]

Answer: b = _____ ° [1]



NOT DRAWN TO SCALE

Answer: c = _____ ° [1]

Answer: d = _____ ° [2]