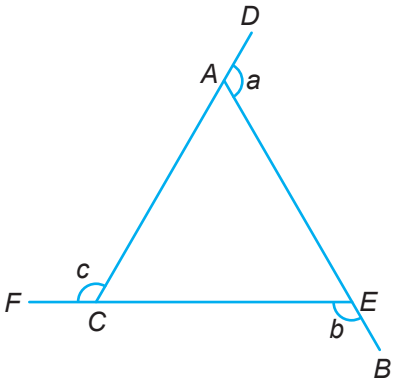
11. The average of n numbers is 90. One of the numbers is 120. After removing the number 120, the average of the remaining numbers becomes 84. Find the value of n.

(1) 7 (2) 8 (3) 5 (4) 6

12. If an arc of 80º on circle A has the same length as an arc of 60º on circle B, and the ratio of the area of circle A to the area of circle B is $a : b$, find the smallest value of $a + b$.

(1) 6 (2) 7 (3) 8 (4) 9

13. In the figure below, not drawn to scale, AB, CD and EF are straight lines.
Find the sum of $\angle a + \angle b + \angle c$.



(1) 360º (2) 380º (3) 400º (4) 420º

Jane has a piece of square paper as shown in Figure 1. She folds the paper as shown in Figure 2. $\angle BAC = 14º$ and $\angle EAF = 13º$. Answer Questions 14 and 15.

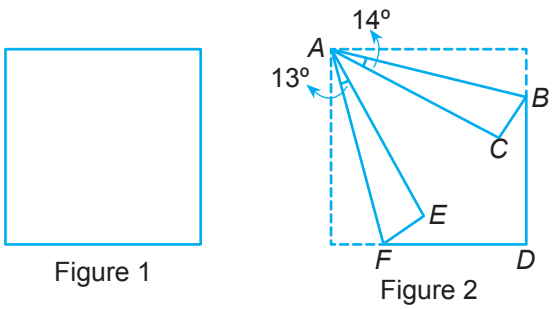


Figure 1 Figure 2

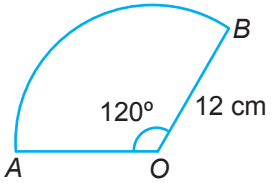
14. Find $\angle CAE$.

(1) 34º (2) 35º (3) 36º (4) 37º

15. Find $\angle FAB$.

(1) 61º (2) 62º (3) 63º (4) 64º

16. The figure below shows a sector of a circle, OAB, with radius 12 cm and $\angle AOB = 120º$. A circle of radius r is to be drawn so that it touches points O, A and B. Find the value of r.

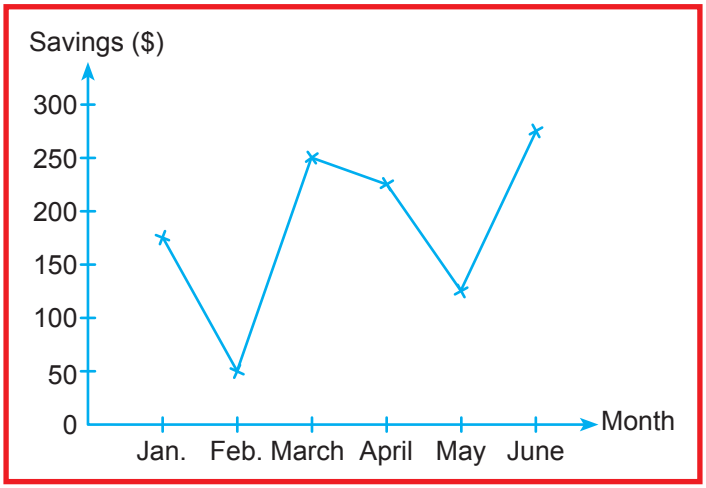


(1) 6 cm (2) 12 cm (3) 18 cm (4) 24 cm

30. On the first day, a car took $\frac{3}{2}$ hours to travel d km. On the following day, it travelled 15 km further by spending 10 minutes more than the time taken on the first day. If the average speeds of the car were equal on both days, find the value of d.

Ans: _____ [3]

31. The line graph below shows the amount of savings Peter saved over a period of 6 months.



In which month shows the biggest drop in the amount of savings? What is the percentage decrease?

Ans: _____ [3]