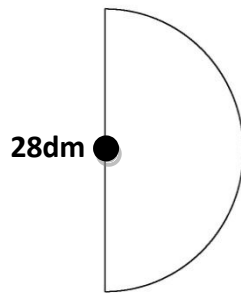


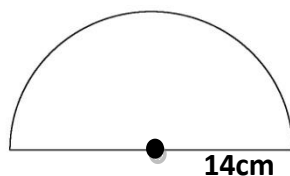
ROAD TO SUCCESS SET SIX

(40 marks)

1. Work out: $1111_{two} \times 11_{two}$
2. Simplify: $-5 - -3 + -7$
3. Find the product of the value of 5 and the place value of 3 in the numeral 257.034
4. Write 1896 in standard form.
5. Express 7.39 in standard form.
6. Express 0.00574 in scientific notation.
7. Find the number whose scientific notation is 4.95×10^{-2}
8. The price of a shirt decreased in the ratio of 3:4 .If the old price of the shirt was sh.15,000.What is the new price of the shirt?
9. Find the circumference of the figure below.



10. Find the circumference of a semi-circle whose diameter is 35mm.
11. Find the perimeter of the figure below.



12. Find the area of a circle whose radius is 7dm.
13. At a certain butcher's , the cost of 3 kg of meat is sh.45,000.
If Joan paid sh.120,000 to the butcher.
How many kilograms of meat did Joan pay for?

14. Muton bought $3\frac{1}{2}$ litres of milk which she packed in small packets of 500ml. How many small packets of milk did she get from all the milk?
15. Kiptegeyi ran a distance of 56km in 210 minutes. At what speed was he running?
16. If a taxi covered a distance of 90km at an average speed of 150km for every hour. How long did the taxi take to cover the same distance in minutes?
17. A bus covered a journey of 90km in 90 minutes. How long will the same bus take to cover a journey of 100km using the same speed?
18. The distance from Mbale to Kampala is 180km. A driver used a speed of 90km/hr to travel from Mbale to Kampala. If the driver left Mbale at 10:50am, at what time did he reach Kampala?
19. It is 135km from Entebbe to Kalangala. A ship captain sailed at a speed of 90 km per hour. If the captain arrived at Kalangala at 12:15pm, calculate the departure time from Entebbe.
20. The distance from Kireka to Iganga is 180km. A cyclist travelled from Kireka to Iganga at an average speed of 60km for every hour. If the cyclist left Kireka at 9:15am, at what time did he reach Iganga in the 24 hour clock system?

END