

Height (cm)	1	2	3	4	5	6
No. of seedlings	4	5	$x-2$	x	y	$y-12$

The table shows the height (cm) of 50 seedlings in a garden. Given that the mean height of the seedlings is 4 cm, find the

- (a) values of x and y ;
 (b) median height.

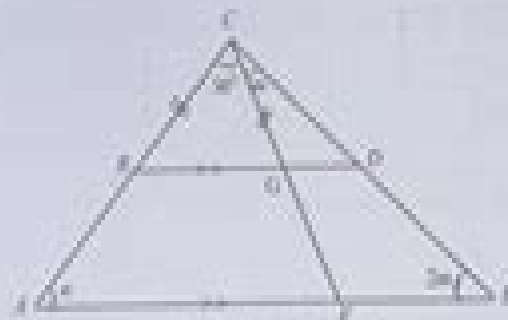
11. (a) A bus has petrol tank in the shape of a cylinder. The cylinder is 125 cm high and has a diameter of 42 cm.
- How much will a full tank of petrol cost at the rate of GH¢ 5
 - If the bus uses petrol at the rate of 12.5 litres for every 50 km, how far can the bus travel on a full tank of petrol?
- (b) The interior angle of a regular polygon is x . If x is 9° less than the of 153° and 143° , find the number of sides of the polygon.

12. (a) A bag contains 18 balls that differ only in colour, 10 are blue and 7 red. If two balls are picked, one after the other without replacement, find the probability that both are
- blue;
 - of same colour;
 - of different colour.

- (b) If $\cos \theta = 0.8$, $0^\circ < \theta < 90^\circ$, find the value of $\frac{\sin \theta}{1 - \cos \theta}$.

13. (a) The radius and slant height of a right circular cone are 9 cm and 15 cm respectively. Find, correct to one decimal place, the
- height;
 - volume of the cone.

(b)



Note: Diagrams are not to scale

In the diagram, $\overline{DE} \parallel \overline{AC}$. If $\angle ACF = 3a^\circ$ and $\widehat{DE} = \widehat{CE}$, find the values of a and x .

END OF PAPER

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**Randy E. Bennett, Linda Darling-
Hammond, Aneesha Badrinarayan**



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Socioculturally Responsive Assessment Randy E. Bennett, Linda Darling-Hammond, Aneesha Badrinarayan, 2025-05-01 Socioculturally Responsive Assessment assembles the best available thinking from within and outside the educational measurement community about the theoretical foundations and systems level policy implications of formal assessment programs designed to be socioculturally responsive Synthesized from culturally responsive assessment design and practices culturally relevant pedagogy and funds of knowledge universal design for learning the learning sciences and other literatures this emerging concept affirms that students learning and performance is inextricably tied to the social cultural and linguistic contexts in which they live and develop knowledge Across four sections this book provides an argument and initial evidence for impact on students users and assessment quality offers guidance for implementation and examines the potential limitations pitfalls barriers and measurement issues that such programs will inevitably raise Scholars teaching faculty test developers and policymakers will come away with integral foundations new assessment approaches and a greater sense of the potential for positive impact that these assessments may afford

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