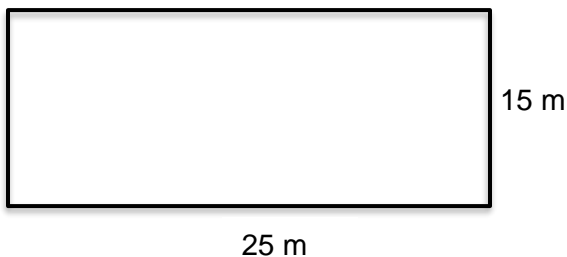


**POTENT ACADEMY REVISION SERIES**  
**MATHEMATICAL ACTIVITIES**  
**GRADE 8 | MODEL 02**

Name \_\_\_\_\_ Date \_\_\_\_\_

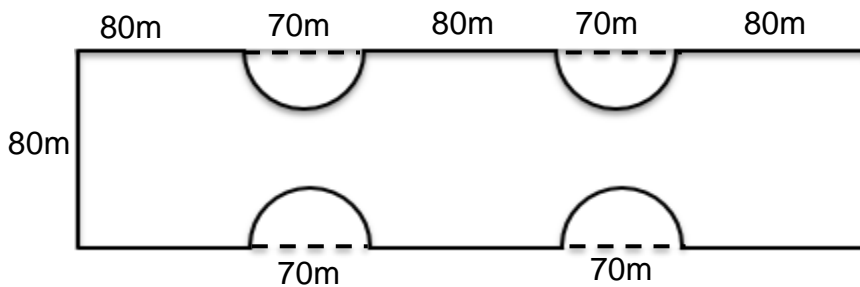
*Instructions: Answer ALL the questions in the spaces provided.*

1. Learners from Potent Academy were learning about integers. They were asked to represent all integers from -3 to 5 on a number line. What did they draw?
2. Arrange the following fractions in ascending order:  $\frac{3}{4}$ ,  $\frac{2}{3}$ ,  $\frac{11}{12}$ ,  $\frac{5}{6}$
3. The figure below shows Sarah's garden with dimensions 15m by 25m. What is the area of her garden?



4. A bus travelled from Kisumu to Eldoret, a distance of 180 km. If the bus took 3 hours to complete the journey, what was its speed in km/h?
5. What is the square of 2.05?
6. Mary had 321kg of sugar. She used 143kg for baking. She then bought an additional 131kg of sugar. Calculate the mass of sugar she has now.

7. The figure below shows a running track with straight sections of 80m and curved sections forming semicircles with a diameter of 70m. John ran around the track three times. What distance did he cover in km?



8. A shopkeeper bought a bag of sugar at sh. 3500. He later sold it for sh. 4200. What was the shopkeeper's percentage profit?

9. Work out the following:

$$\frac{2}{3} + \frac{1}{4} \times \frac{2}{3} - \frac{3}{10} \div \frac{1}{2}$$

10. Grade five learners were asked to count the number of squares used to make the figure drawn below. How many did they find?

