




STEM – iQ Sample Questions

Question Number: - 1

CHALLENGE YOUR **STEM-iQ**





A 

B 

Choose the most fuel-efficient vehicle.

All vehicles have equal mass and engine capacity.
They all are moving with same speed on a highway.

C 

D 

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Minimum number of different colors required to fill the figure.

NOTE*: No two adjacent regions should have same color.

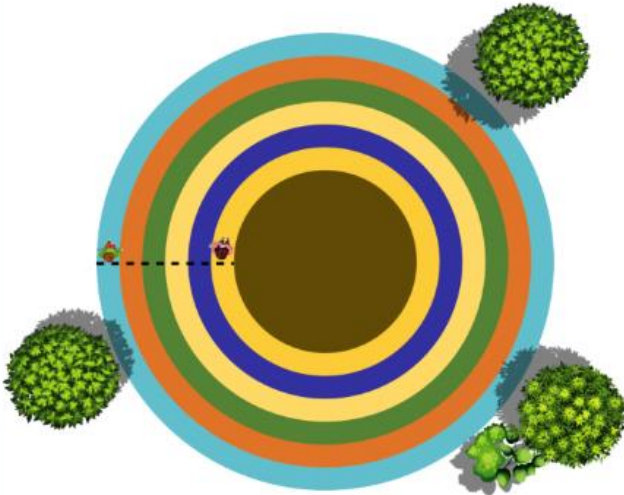
A Two

B Three

C Four

D Five

CHALLENGE YOUR **STEM-iQ**



How far ahead the runner in outer circle should start from, so that both the runners cover equal distance in one lap, if the width of one lane is 1 unit?
(Hint: circumference of circle = $2\pi r$)

A 6π

B 8π

C 10π

D 12π