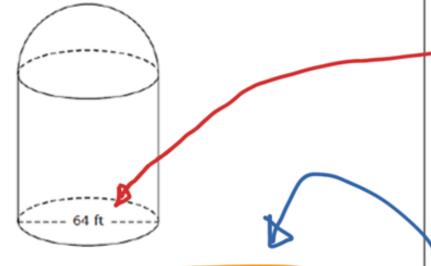
## **An Exemplar Response**

STAAR® Test	Grade 7 M	Item#	2	Content SE	7.9B	SE Type	Readiness
Administration	Spring 2018	Reporting Category	3	Process SE	Not Reported	Unit (IFD)	07, 12

2 An observatory is shaped like a cylinder standing on one of its bases with a dome on top. The diameter of the floor of the observatory is 64 feet, as shown in the diagram.



Which measurement is closest to the circumference of the base of the observatory in feet?

E 200.96 ft
G 3,215.36 ft
H 100.48 ft

J 401.92 ft

Solution C = 200.96 ft

**TEKS:7.9B** OUSE this
formula