

Task Model 1

DOK Levels
2, 3

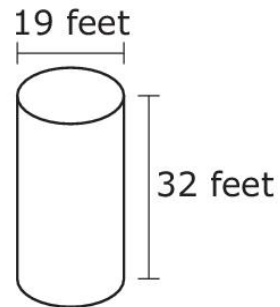
Apply mathematics to solve problems arising in everyday life, society, and the workplace.

Target A

Example Item 4 (Grade 8):

Primary Target 4A (Content Domain G), Secondary Target 1I (CCSS 8.G.C), Tertiary Target 1A (CCSS 7.RP.3)

An empty corn silo in the shape of a cylinder is being filled with corn.



The silo is filled at a constant rate for a total of 10 hours. The table shows the amount of corn, in cubic feet, in the silo at the given number of hours after filling started.

Number of Hours	Amount of Corn (cu ft)
0	0
3	2475
5	4125
8	6600

Enter the **percent** of the silo that is filled with corn at 10 hours.

Rubric: (2 points) The student enters the correct numerical value for the percent of volume that is filled at the end of 10 hours (accept the range 90.9 - 91).
(1 point) The student gives the amount filled after 10 hours (8250) but forgets to find the percentage of the filled amount to the volume OR the student finds the volume of the silo only (9072.9 - 9073).

Response Type: Equation/Numeric