

8.6 Puzzle Time

Did You Hear About...

A	B	C	D	E	F
G	H	I	J	K	L
M	N	O	P	Q	R

Complete each exercise. Find the answer in the answer column. Write the word under the answer in the box containing the exercise letter.

565.2 m ² WEEK	Find the combined area of both bases of the cylinder with the given radius. Round your answer to the nearest tenth.	113.0 ft ² A
276.3 m ² AND	A. $r = 2$ in.	25.1 in. ² THE
753.6 ft ² HIS	B. $r = 4$ ft	35.6 m ² STORE
424.3 in. ² CATCH	C. $r = 5$ cm	201.0 m ² TO
401.9 m ² BOUGHT	D. $r = 8$ m	50.2 in. ² SPENT
325.2 ft ² DAY	Find the area of the lateral surface of the cylinder.	326.6 in. ² ONE
439.6 cm ² AWAY	E. $r = 3$ ft; $h = 6$ ft	187.4 cm ² BUY
301.4 m ² OLD	F. $r = 8$ in.; $h = 7$ in.	125.6 ft ² TRYING
282.6 cm ² BOOMERANG	G. $r = 9$ cm; $h = 5$ cm	157 cm ² WHO
533.8 in. ² THROW	H. $r = 4$ m; $h = 11$ m	251.2 cm ² A
100.5 ft ² MAN	Find the surface area of the cylinder with the given dimensions. Round your answer to the nearest tenth.	351.7 in. ² NEW
	I. $r = 1$ in.; $h = 7$ in.	
	J. $r = 5$ cm; $h = 3$ cm	
	K. $r = 6$ m; $h = 9$ m	
	L. $r = 2$ ft; $h = 8$ ft	
	M. $r = 4$ m; $h = 4$ m	
	N. $r = 5$ in.; $h = 12$ in.	
	O. $r = 10$ ft; $h = 2$ ft	
	P. $r = 3$ m; $h = 13$ m	
	Q. A cylindrical cookie jar has a height of 9 inches. The radius of its base is 4 inches. What is its surface area? Round your answer to the nearest tenth.	
	R. A cylindrical coffee can has a height of 14 centimeters. The radius of its base is 5 centimeters. What is the lateral surface area of the can?	