8.7 Puzzle Time

Did You Hear About...

A	B	C	D	E	F
G	H	I	J	K	L
M	N				

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

63.6 cm³ BECAUSE
356.9 in.³ SO
128.4 cm SEA
791.3 ft³ SAILORS
88.9 ft SHIP
549.5 cm³ CARDS
22 in. THE
2797.7 m³ COULDN'T
435.7 m³ HAD
593.5 ft³ WAS
2 ft ON

Find the volume of the cylinder with the given dimensions. Round your answer to the nearest tenth.

A. $r = 12$ in.; $h = 4$ in. **B.** $r = 6$ ft; $h = 7$ ft

C. $r = 3$ cm; $h = 13$ cm **D.** $r = 9$ m; $h = 11$ m

E. $r = 8$ ft; $h = 15$ ft **F.** $d = 10$ cm; $h = 7$ cm

G. $d = 3$ cm; $h = 9$ cm **H.** $d = 8$ ft; $h = 15$ ft

I. $d = 14$ m; $h = 15$ m **J.** $d = 6$ ft; $h = 21$ ft

K. A hockey puck is shaped like a cylinder with a diameter of 3 inches and has a volume of 7.1 cubic inches. What is the height of the hockey puck? Round your answer to the nearest whole number.

L. A water trampoline is shaped like a cylinder with a diameter of 11 feet and has a volume of 190.1 cubic feet. What is the height of the trampoline? Round your answer to the nearest whole number.

M. A rolled-up sleeping bag is shaped like a cylinder with a radius of 5 inches and has a volume of 1727.9 cubic inches. What is the height of the rolled-up sleeping bag? Round your answer to the nearest whole number.

N. A sports bottle is shaped like a cylinder with a diameter of 7 centimeters and has a volume of 731.2 cubic centimeters. What is the height of the sports bottle? Round your answer to the nearest whole number.

19 cm DECK
753.6 ft³ THE
3014.4 ft³ PLAY
1 in. STANDING
65.7 ft³ SITTING
521.6 in. BOAT
2307.9 m³ CAPTAIN
99.8 in.³ WASN'T
1808.6 in.³ THE
367.4 cm³ WHO
131.4 in. ARE