

#45-48 EOC

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w_1 w_2 w_3 w_4
4, 9, 14, 19

$n = \underline{\text{week}}$

↑
Plug in to see which equation equals the number of days.

A) $f(n) = n + 5$
 $1 + 5 = 6$ week 1 he went 4 days
 $4 \neq 6$

B) $f(n) = 5n - 1$
 $5(1) - 1 = 4 \checkmark$

C) $f(n) = 5n + 4$
 $5(1) + 4 = 9$ week 1 he went 4 days
 $4 \neq 9$

D) $f(n) = n^3$
 $1^3 = 1$ " " $4 \neq 1$

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$$V = \frac{4}{3} \pi r^3$$

$$2400 = \frac{4}{3} \pi r^3$$

$$\frac{2400}{4.2} = \frac{4.2 r^3}{4.2}$$

$$\sqrt[3]{571.4} = \sqrt[3]{r^3}$$

$$8.3 = r$$

$$d = 8.3 \times 2$$

$$= 16.6$$

A