

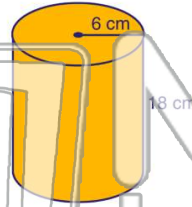


Name _____ Class _____ Date _____

1 What is the **volume** of the cylinder shown?

$$V = \pi r^2 h \quad \pi = 3.14$$

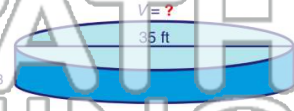
- A 678.24 cm³
- B 2,034.72 cm³
- C 6,104.16 cm³
- D 8,138.88 cm³



2 An above ground **4 ft** pool has a diameter of **35 ft**. What is the **volume** of the pool?

$$V = \pi r^2 h \quad \pi = 3.14$$

- A 439.6 ft³
- B 879.2 ft³
- C 3,346.5 ft³
- D 15,386 ft³



3 A can of tennis balls is **21.5 cm** tall and has a radius of **3.5 cm**. What is the **volume** of the can?



4 The volume of the cylinder shown is **5,837.26 cm³**. If the height is **11 cm**, what is the **radius** of the cylinder?

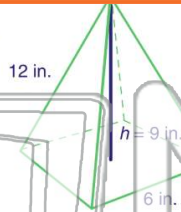


PREVIEW

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7 The pyramid shown has a **volume** of **324 in.³**. How long is the **base**?
 $V = \frac{1}{3} Bh$, where B is the area of the base

- A 36 in.
- B 108 in.
- C 324 in.
- D 432 in.

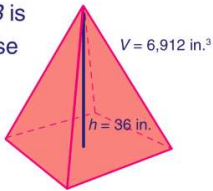


8 A pyramid is **11 inches** long and a height of **36 inches**. What is the **volume** of the pyramid?
 $V = \frac{1}{3} Bh$, where B is the area of the base

- A 220 in.³
- B 963 in.³
- C 1,210 in.³
- D 5,760 in.³

9 The pyramid shown has a **volume** of **6,912 in.³**. How long is the **base**?
 $V = \frac{1}{3} Bh$, where B is the area of the base

- A 4 in.
- B 16 in.
- C 24 in.
- D 48 in.



10 A pyramid has a volume of **8,019 cm³** and a base with sides of **27 cm**. What is the **height** of the pyramid?
 $V = \frac{1}{3} Bh$, where B is the area of the base

- A 33 cm
- B 35 cm
- C 36 cm
- D 37 cm

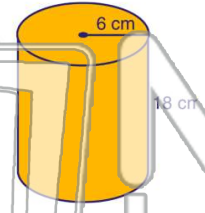


Name _____ Class _____ Date _____

1 What is the **volume** of the cylinder shown?

$V = \pi r^2 h$ $\pi = 3.14$

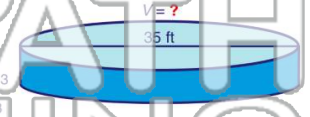
- A 678.24 cm^3
- B 2,034.72 cm^3
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- D 8,138.88 cm^3



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$V = \pi r^2 h$ $\pi = 3.14$

- A 439.6 ft^3
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3 A can of tennis balls is **21.5 cm** tall and has a radius of **3.5 cm**. What is the **volume** of the can?



4 The volume of the cylinder shown is **5,837.26 cm^3** . If the height is **11 cm**, what is the **radius** of the cylinder?



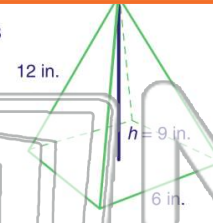
PREVIEW

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7 The pyramid shown has a **volume** of **324 in^3** . How long is the **base**?

$V = \frac{1}{3} Bh$, where B is the area of the base

- A 36 in.
- B 108 in.
- C 324 in.
- D 432 in.



8 A pyramid has a **volume** of **220 in^3** and a base with sides of **4 in.** and a height of **36 in.**. What is the **volume** of the pyramid?

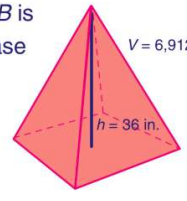
$V = \frac{1}{3} Bh$, where B is the area of the base

- A 220 in^3
- B 968 in^3
- C 1,210 in^3
- D 5,760 in^3

9 The pyramid shown has a **volume** of **6,912 in^3** . How long is the **base**?

$V = \frac{1}{3} Bh$, where B is the area of the base

- A 4 in.
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- C 24 in.
- D 48 in.



10 A pyramid has a **volume** of **8,019 cm^3** and a base with sides of **27 cm**. What is the **height** of the pyramid?

$V = \frac{1}{3} Bh$, where B is the area of the base

- A 33 cm
- B 35 cm
- C 36 cm
- D 37 cm