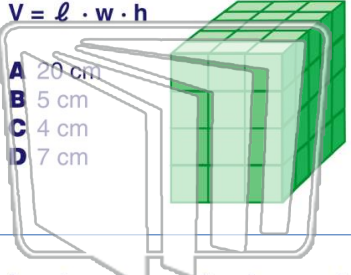




Name _____ Class _____ Date _____

1 The volume of the blocks shown is 60 cm^3 . What is the **width** of the block?



2 A rectangular pool has a **volume of 384 cubic feet**. It has a length of 11 feet, a width of 9 feet, and a height of 4 feet.



3 A rectangular sandbox has a volume of 84 ft^3 . Which could **not** be the **dimensions** of the sandbox?

4 Two boxes measure $2 \text{ in.} \times 5 \text{ in.} \times 6 \text{ in.}$ and $3 \text{ in.} \times 4 \text{ in.} \times 5 \text{ in.}$. The boxes have the **same volume**.



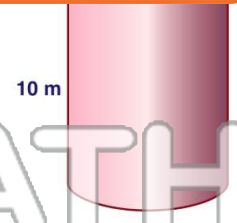
5 **PREVIEW**
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7 $B = \frac{1}{2} (4 \cdot 3)$
 $V = B \cdot h$



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

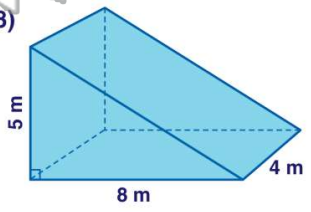
- A 176.3 m^3
- B 282.6 m^3
- C 299.4 m^3
- D 321.5 m^3



9 Find the **volume** of this triangular prism.

$B = \frac{1}{2} (5 \cdot 8)$
 $V = B \cdot h$

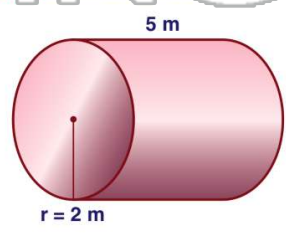
- A 20 m^3
- B 40 m^3
- C 32 m^3
- D 80 m^3



10 Find the **volume** of this cylinder.

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

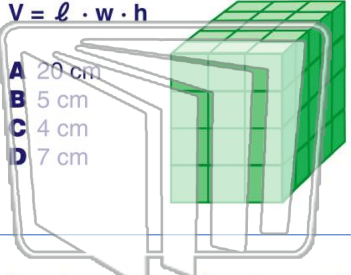
- A 62.8 m^3
- B 65.2 m^3
- C 67.7 m^3
- D 69.4 m^3





Name _____ Class _____ Date _____

1 The volume of the blocks shown is 60 cm^3 . What is the **width** of the block?



- A 20 cm
- B 5 cm
- C 4 cm
- D 7 cm

2 A rectangular pool has a **volume of 384 cubic feet**. It has a length of 11 feet, a width of 9 feet, and a height of 4 feet.



- A true
- B false

3 A rectangular sandbox has a volume of 84 ft^3 . Which could **not** be the **dimensions** of the sandbox?

4 Two boxes measure $2 \text{ in.} \times 5 \text{ in.} \times 6 \text{ in.}$ and $3 \text{ in.} \times 4 \text{ in.} \times 5 \text{ in.}$. The boxes have the **same volume**.



PREVIEW

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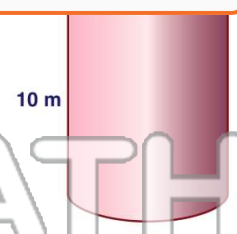
7 $B = \frac{1}{2} (4 \cdot 3)$
 $V = B \cdot h$



- A 13 cm^3
- B 24 cm^3
- C 36 cm^3
- D 72 cm^3

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

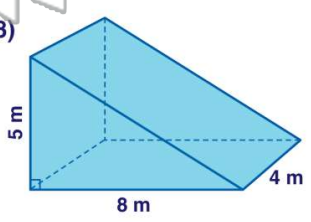
- A 176.3 m^3
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