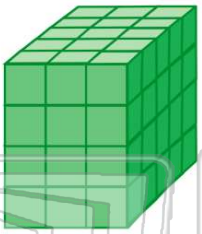
Volume

Name _____ Class _____ Date _____

1 The volume of the blocks shown is 60 cm³. What is the **width** of the block?

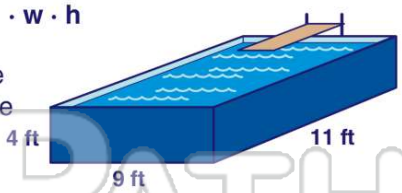
$V = \ell \cdot w \cdot h$



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.

$V = \ell \cdot w \cdot h$



A true
B false

3 A rectangular sandbox has a volume of 84 ft³. Which could not be the **dimensions** of the sandbox?

$V = \ell \cdot w \cdot h$

A 2 ft x 7 ft x 6 ft
B 4 ft x 7 ft x 3 ft
C
D

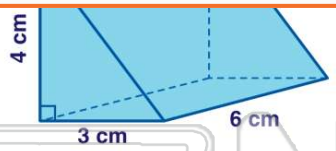
4 Two boxes measure 2 in. x 5 in. x 6 in. and 3 in. x 4 in. x 5 in. The boxes have the **same volume**.

$V = \ell \cdot w \cdot h$

A true
B false

5

7



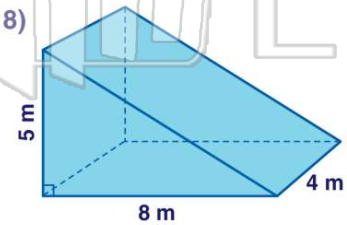
A 13 cm³
B 24 cm³
C 36 cm³
D 72 cm³

A 176.3 m³
B 282.6 m³
C 299.4 m³
D 321.5 m³

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

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

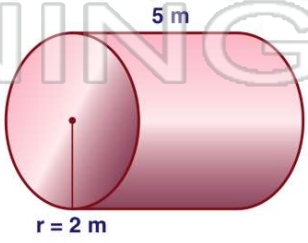
$V = B \cdot h$



A 20 m³
B 40 m³
C 32 m³
D 80 m³

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

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



A 62.8 m³
B 65.2 m³
C 67.7 m³
D 69.4 m³

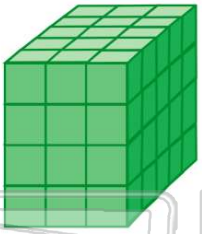
Volume

Math F

ANSWER KEY

The volume of the blocks shown is 60 cm³. What is the **width** of the block?

$V = \ell \cdot w \cdot h$

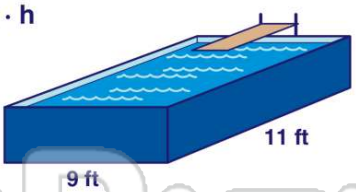


A 20 cm
B 5 cm
C 4 cm
D 7 cm

b

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.

$V = \ell \cdot w \cdot h$



A true
B false

b

A rectangular sandbox has a volume of 84 ft³. Which could not be the **dimensions** of the sandbox?

$V = \ell \cdot w \cdot h$

A 2 ft x 7 ft x 6 ft
B 4 ft x 7 ft x 3 ft
C 5 ft x 6 ft x 3 ft
D

c

Two boxes measure 2 in. x 5 in. x 6 in. and 3 in. x 4 in. x 5 in. The boxes have the **same volume**.

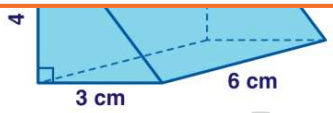
$V = \ell \cdot w \cdot h$

A true
B false

a

W
p
B
V

A 13 cm³
B 24 cm³
C 36 cm³
D 72 cm³



B 282.6 m³
C 299.4 m³
D 321.5 m³

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

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

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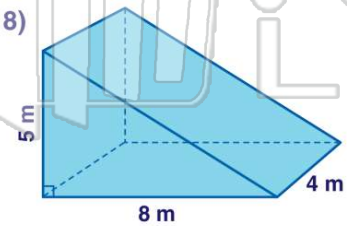

A 20 m³
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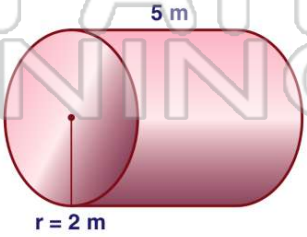
C 32 m³
D 80 m³

d

Find the **volume** of this cylinder.

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



A 62.8 m³
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C 67.7 m³
D 69.4 m³

a