Math Practice - Grade 5

M11 Volume - Find a missing edge

M11 5.MD.C.3, 5.MD.C.3a, 5.MD.C.3b, 5.MD.C.4, 5.MD.C.5, 5.MD.C.5a, 5.MD.C.5b, 5.MD.C.5c

Name: _____ Date: _____

The volume and two edges are given. Find the missing edge.

Example: The volume is 240 cubic units. Find the missing edge.

How: Volume is length times width times height, so divide the volume by the two edges you know. The answer is the missing edge.

Volume = 240 cubic units

Length: ?
Width: 4Length = 6
Height: 10

1

Volume = 16 cubic units

Length: 4
Width: 2
Height: ?

Height = ☐

2

Volume = 140 cubic units

Length: 2
Width: ?
Height: 7

Width = ☐

3

Volume = 81 cubic units

Length: ?
Width: 3
Height: 3

Length = ☐

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Name: _____ Date: _____

The volume and two edges are given. Find the missing edge.

Example: The volume is 640 cubic units. Find the missing edge.

How: Volume is length times width times height, so divide the volume by the two edges you know. The answer is the missing edge.

Volume = 640 cubic units

Length: ?
Width: 10 Length = 8
Height: 8

1

Volume = 72 cubic units

Length: ?
Width: 6
Height: 4

Length = ☐

2

Volume = 42 cubic units

Length: 3
Width: 7
Height: ?

Height = ☐

3

Volume = 72 cubic units

Length: ?
Width: 3
Height: 4

Length = ☐

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Name: _____ Date: _____

The volume and two edges are given. Find the missing edge.

Example: The volume is 360 cubic units. Find the missing edge.

How: Volume is length times width times height, so divide the volume by the two edges you know. The answer is the missing edge.

Volume = 360 cubic units

Length: ?
Width: 10 Length = 9
Height: 4

1

Volume = 98 cubic units

Length: 2
Width: ?
Height: 7

Width = ☐

2

Volume = 168 cubic units

Length: 3
Width: 8
Height: ?

Height = ☐

3

Volume = 12 cubic units

Length: 2
Width: ?
Height: 2

Width = ☐