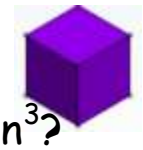
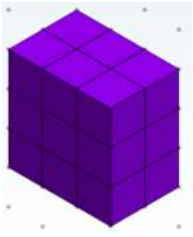
Name: _____ Period: _____ Date: _____

Volume of a Right Rectangular Prism Bell Work

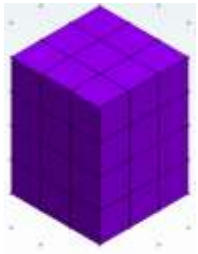
Math 5

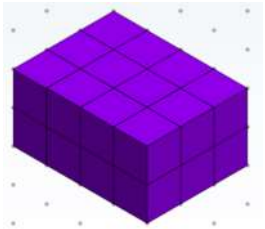
Encircle the letter of the correct answer.

1. Given that 1  = 1 in^3, which of the following prisms have a volume of 24 in^3?

a. 

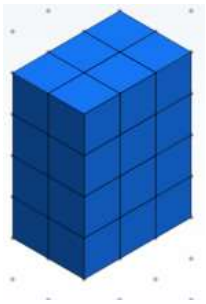
c.

b. 

d. 

2. A rectangular prism has a base area of 24 cm^2 and a height of 6 cm. What is its volume?

a. 120 cm^2 b. 120 cm^3 c. 144 cm^2 d. 144 cm^3

3. What is the volume of the prism  given that the unit cube has a volume of 1 ft^3?

a. 18 ft^3 b. 20 ft^3 c. 22 ft^3 d. 24 ft^3

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4. What is the volume of a rectangular prism with a length of 5 cm, width of 3 cm, and a height of 12 cm?

a. 140 cm^3 b. 160 cm^3 c. 180 cm^3 d. 200 cm^3

5. A rectangular prism has a volume of 150 in^3. If it has a base area of 15 in, what is the height of the rectangular prism?

b. 10 in b. 15 in c. 25 in d. 30 in

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