

**Measurement
Unit 3 Line Master 3a****Coding Practice with Volume**

1. Which code below accurately generates a list of prism volumes as the height of the prism is doubled each time?

Code A

```
length = 5
width = 5
height = 10

for i in range (0,10):
    baseArea = length * width
    prismVolume = round(baseArea * height)
    print (height, "\t", prismVolume)
    height = height * 3
```

Code B

```
length = 5
width = 5
height = 10

for i in range (0,10):
    baseArea = length + width
    prismVolume = round(baseArea + height)
    print (height, "\t", prismVolume)
    height = height * 2
```

Code C

```
length = 5
width = 5
height = 10

for i in range (0,10):
    baseArea = length * width
    prismVolume = round(baseArea * height)
    print (height, "\t", prismVolume)
    height = height * 2
```

Name _____ Date _____

**Measurement
Unit 3 Line Master 3b**

Coding Practice with Volume (cont'd)

2. For the correct code in Question 1, describe the output.