

### Daily Dilemma #5: Activity

Name \_\_\_\_\_ Date \_\_\_\_\_

1. Katelyn found 22 seashells at the beach. If she puts 4 of the shells back in the water, she will have exactly 6 times as many as Devin. How many shells does Devin have? (2pts.)

Work: \_\_\_\_\_ Answer: \_\_\_\_\_

2. Rick wanted to know the age of the panda at Busch Gardens. He was told that if he added 7 to the age of the panda and doubled it, the panda would be 22 years old. How old was the panda? (2 pts.)

Work: \_\_\_\_\_ Answer: \_\_\_\_\_

3. Fill in the following chart that shows the relationship between turning the handle on a well and the depth of the bucket as it goes into the well. (5 pts.)

Turns of the handle	4	8	12	16	20	24		
Depth of the bucket	3ft	6ft	9ft	12ft			21ft	24ft

**Write a statement explaining how the depth of the bucket changes as the turns of the handles change.**

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4. Jenny babysits for a little boy across the street. When she helps him put away his blocks, she realizes that the blocks are all cubes, cones, or spheres. There are 4 times as many spheres as cones. There are 6 more cones than cubes. There are 4 cubes. How many blocks does the little boy have? (2pts.)

Work:

Answer: \_\_\_\_\_

5. (5pts.)

Layers	Bricks
1	8
2	16
3	24
4	
9	
N	

State the rule \_\_\_\_\_

Explain the reason for the rule \_\_\_\_\_

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