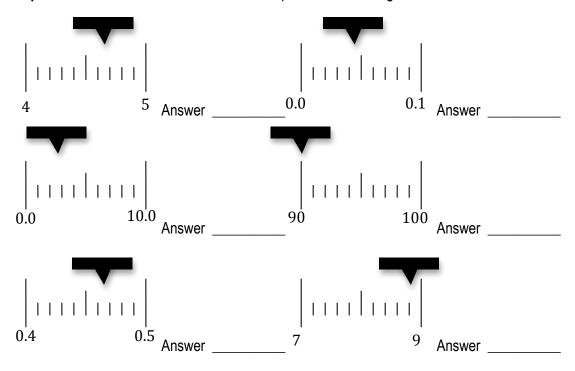
inquiry Skills: Finding relationships to investigate: Name:	Period:
While watching skateboarders drop in to half-pipes of different heights, you notice 2 things: skateboarders on the same half-pipe can reach different speeds by the bottom flat portion be in techniques and 2) that the same skateboarder reaches faster speeds on higher half-pipe investigate "How does the height of a half-pipe affect the speed a skateboarder reaches at of the half-pipe?" 1. What is the independent variable? 2. What is the dependent variable? 3. What are the controlled variables? (i.e. what must you keep constant?)	by using different drop es. You decide to
While sliding your physics textbook across the table, you realize it becomes much more diff and Math book are stacked on top. So you create the focused research question "How doe between the surface of the bottom of your physics textbook and the table top surface dependent of the books is pressing the surfaces together?" 4. What is the independent variable? 5. What is the dependent variable? 6. What are the controlled variables? (i.e. what must you keep constant?)	es the force of friction
One September night you notice on nights when it is cloudy the rate the air cools is slower. So you create the focused research question "How does the cloud cover affect the rate the 7. What is the independent variable?	
While at the beach you notice that dropping a large rock into the sand creates different size "How does on the height from which a rock is dropped affect the depth of the crater formed 10. What is the independent variable? 11. What is the dependent variable? 12. What are the controlled variables? (i.e. what must you keep constant?)	
"How does the time that the ball is allowed to roll affect the distance the ball has rolled?" 13. What is the independent variable? 14. What is the dependent variable? 15. What are the controlled variables? (i.e. what must you keep constant?)	
"Create Your Own Scenario:	
16. What is the independent variable? 17. What is the dependent variable? 18. What are the controlled variables? (i.e. what must you keep constant?)	n

Reading Instruments Practice

Triple Beam Balances – Read the scale and put all answers in grams!



Graduated Cylinders - be sure to first establish what increments are used on the cylinder then read the instrument accordingly.

