Kinematics – Motion - SAMPLE

Task Card Review Game

Instructions

- Students get into groups of 2
- Place task cards around the room randomly (i.e. # 1 shouldn't necessarily be near #2)
- Assign each group a task card number as a starting point. Once they have completed that card, they move onto the next in numerical sequence.
- Students disperse, find their questions and answer them on a separate piece of paper (a student answer key is included).
- The challenge of the game is to have your students match their answer with the corresponding word on the Word Chart (displayed around the room).
- On an overhead projector, have all the answers and their corresponding words listed

  (See Task Card Review Game Word Chart)

  - Note –posting additional copies of the Word Chart around the room can decrease congestion around the projector and make it easier to see.

Example - Task Card Review Game Word Chart

Answer	Word	Answer	Word
3	Hello	45	World
19	here	14	I'm

- Once they have completed each task card and put their words in the correct order (Word from Question 1, Word from Question 2, etc.) they will create a quote

i.e. the answer to #1 is 3 and its word is Hello, #2 is 45 = World, #3 is 14 = I'm, #4 is 19 = here

Your students would put the words together and get "Hello World I'm here"

- The group then brings their quote to the teacher who checks for correctness

Simple Task Card Review

- For typical review, you can simply distribute the Task Cards to your class for individual, group or whole class review
- Task cards can also be easily and effectively incorporated into math workshops
- The task cards can be projected on the board for whole class review
- The task cards work well as cue cards, test review, etc.

Student Answer Sheet

Answer	Word	Answer	Word
1 -		9 -	
2 -		10 -	
3 -		11 -	
4 -		12 -	
5 -		13 -	
6 -		14 -	
7 -		15 -	
8 -			

Teacher Answer Key

When playing the Task Card Review Game, the quote that should be completed once all the Task Card Sets are complete is:

In the full version, the quote as well as all answers are provided.

1. 50.0 km/h	9.
2. 1.03 S	10.
3. 19 m	11.
4. Acceleration	12.
5. 10	13.
6.	14.
7.	15.
8.	

Task Card Review Game Word Chart

All Task Card Answers are connected with a certain word (clue). Once the group solves a Task Card, they will use the answer to identify the associated word (clue) to gain a part of the puzzle (sentence). Once all the clues are discovered, your students will put them together to solve the puzzle (complete the quote). Below is a portion of the Answer-Clue Chart, about ¼ of the chart has been removed. Note: There are incorrect as well as correct answers listed.

If you are interested in purchasing the full resource, please visit My Store.

Answer	Word	Answer	Word
19 m	YESTERDAY		TO NOT
	MOMENT		BETTER
	LEARN		FOR
	GREW	4.1 m/s^2 [backwards]	BE
	STOP		THING
	THEY		LEARN
	POWERFUL		FROM
3.8 m/s^2 [backwards]	TOMORROW		YOU
	RULES		PLAY
	MISTAKES		FROM
	TOLD		FOLLOW
	IS		AND
	IN		QUESTIONING
	UNDERSTAND		VALUE
	PRESENT		FOCUS
	LIVE		FOR

Complete Task Card List – For Teacher Reference

Question	Answer	Word
1. A bus drives 40.0 km [E] from town A to town B, then another 30.0 km [S] to town C in a total time of 1.00 h. What is the value of its average velocity (no direction)?	50.0 km/h	LEARN
2. If Michael Jordan has a vertical leap of 1.29 m, what is his hang time (total time to move upwards to the peak and then return to the ground)?	1.03 s	FROM
3. A tennis ball thrown horizontally from the top of a water tower lands 20.0 m from the base of the tower. If the tennis ball is initially thrown at a velocity of 10.0 m/s, how high is the water tower?	19 m	YESTERDAY
4. The slope of a velocity-time graph represents	acceleration	LIVE
5. A championship golfer uses a nine iron to chip a shot right into the cup. If the golf ball is launched at a velocity of 20 m/s at an angle of 45° above the horizontal, what maximum height did the ball reach?	10 m	FOR
6.		TODAY
7.		HOPE
8.		FOR
9.		TOMORROW
10.		THE IMPORTANT
11.		THING
12.		IS
13.		TO NOT
14.		STOP
15.		QUESTIONING

1

A bus drives 40.0 km [E] from town A to town B, then another 30.0 km [S] to town C in a total time of 1.00 h. What is the value of its average velocity (no direction)?

3

A tennis ball thrown horizontally from the top of a water tower lands 20.0 m from the base of the tower. If the tennis ball is initially thrown at a velocity of 10.0 m/s, how high is the water tower?

5

A championship golfer uses a nine iron to chip a shot right into the cup. If the golf ball is launched at a velocity of 20 m/s at an angle of 45° above the horizontal, what maximum height did the ball reach?