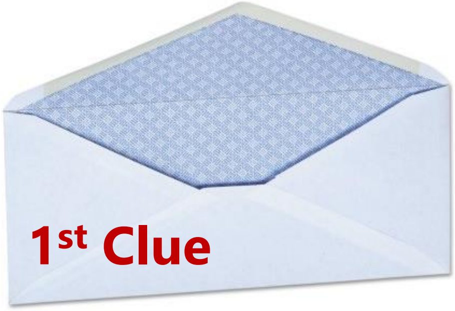
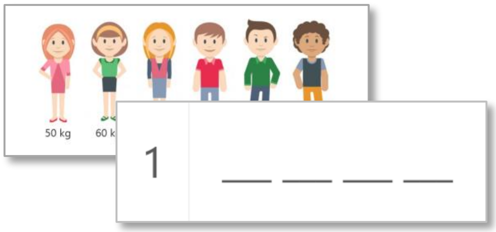


1st Clue

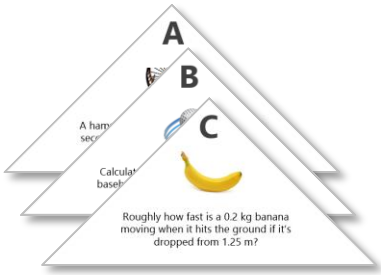


50 kg

60 k

1 ___ ___ ___ ___

2nd Clue



A

A ham
sec

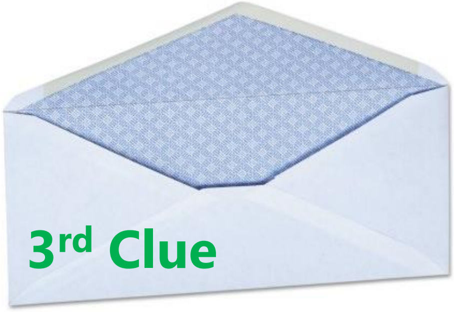
B

Calculat
baseb

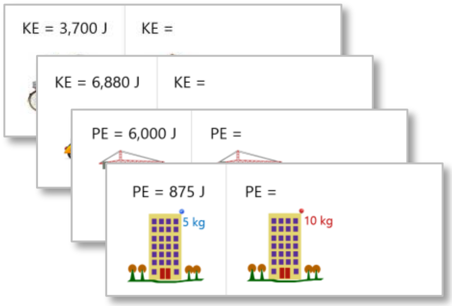
C

Roughly how fast is a 0.2 kg banana moving when it hits the ground if it's dropped from 1.25 m?

2 ___ ___ ___



3rd Clue



KE = 3,700 J KE =

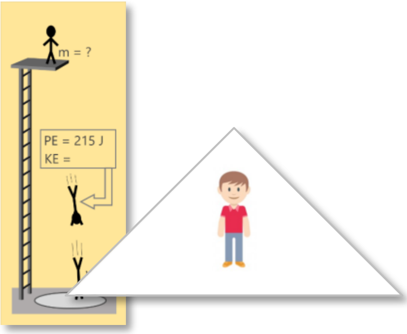
KE = 6,880 J KE =

PE = 6,000 J PE =

PE = 875 J PE =

3 ___ ___ ___ ___

4th Clue

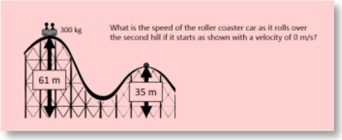


m = ?

PE = 215 J
KE =

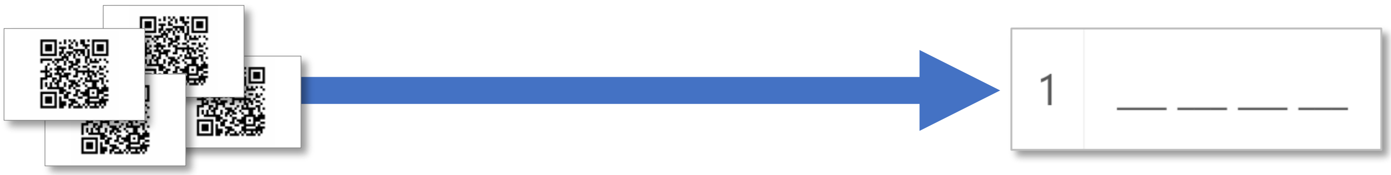
4 ___ ___ ___

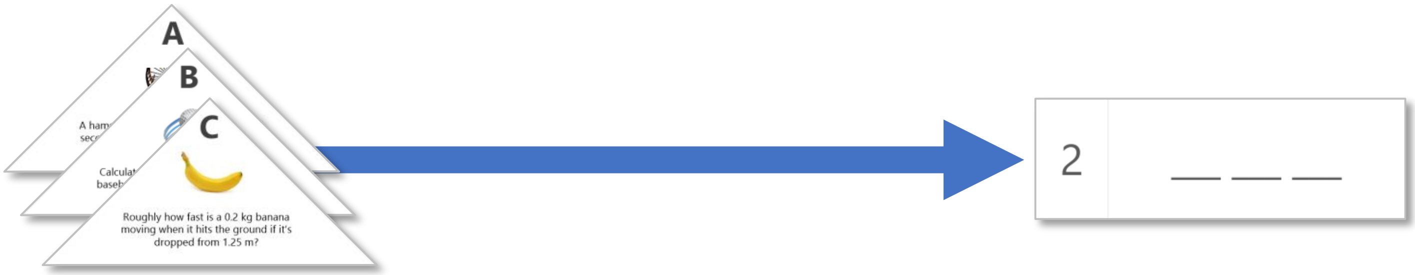
5th Clue



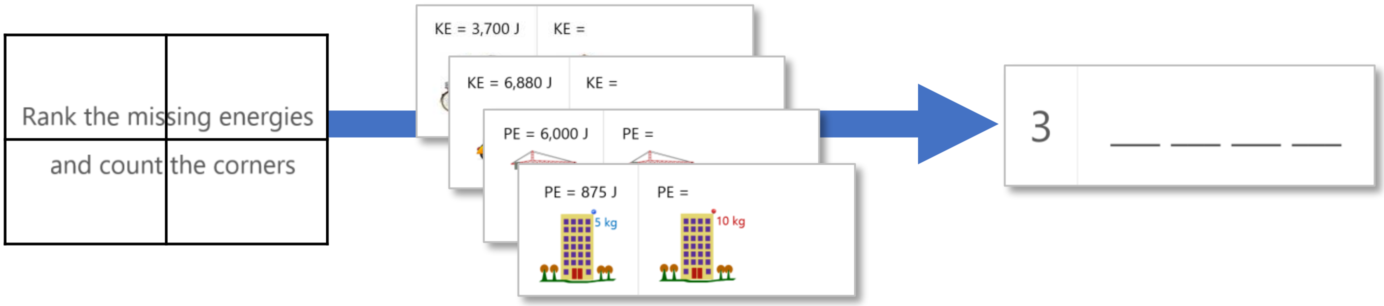
What is the speed of the roller coaster car as it rolls over the second hill if it starts as shown with a velocity of 0 m/s?

Scavenger Hunt Process



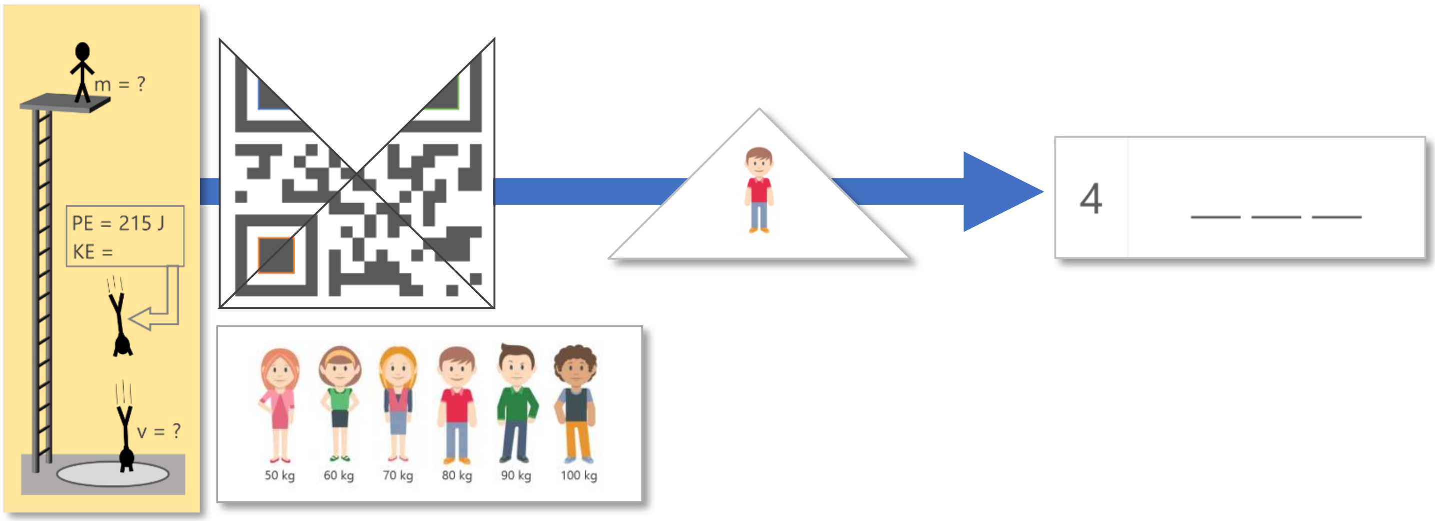

A
B
C
A ham
sec
Calculat
baseb
2
__ __ __

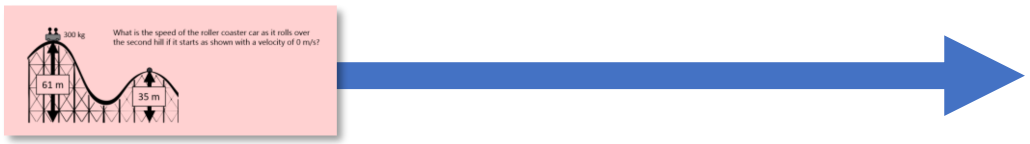
Roughly how fast is a 0.2 kg banana moving when it hits the ground if it's dropped from 1.25 m?



Rank the missing energies and count the corners

KE = 3,700 J
KE =
KE = 6,880 J
KE =
PE = 6,000 J
PE =
PE = 875 J
PE =
5 kg
10 kg
3
__ __ __ __


m = ?
PE = 215 J
KE =
v = ?
50 kg
60 kg
70 kg
80 kg
90 kg
100 kg
4
__ __ __


300 kg
61 m
35 m

What is the speed of the roller coaster car as it rolls over the second hill if it starts as shown with a velocity of 0 m/s?

Prize Bag!!