

Acceleration of a Falling Apple Timeline

Acceleration = 10 meters (32 feet) per second *per second*

Distance = 0.5 X acceleration X time squared



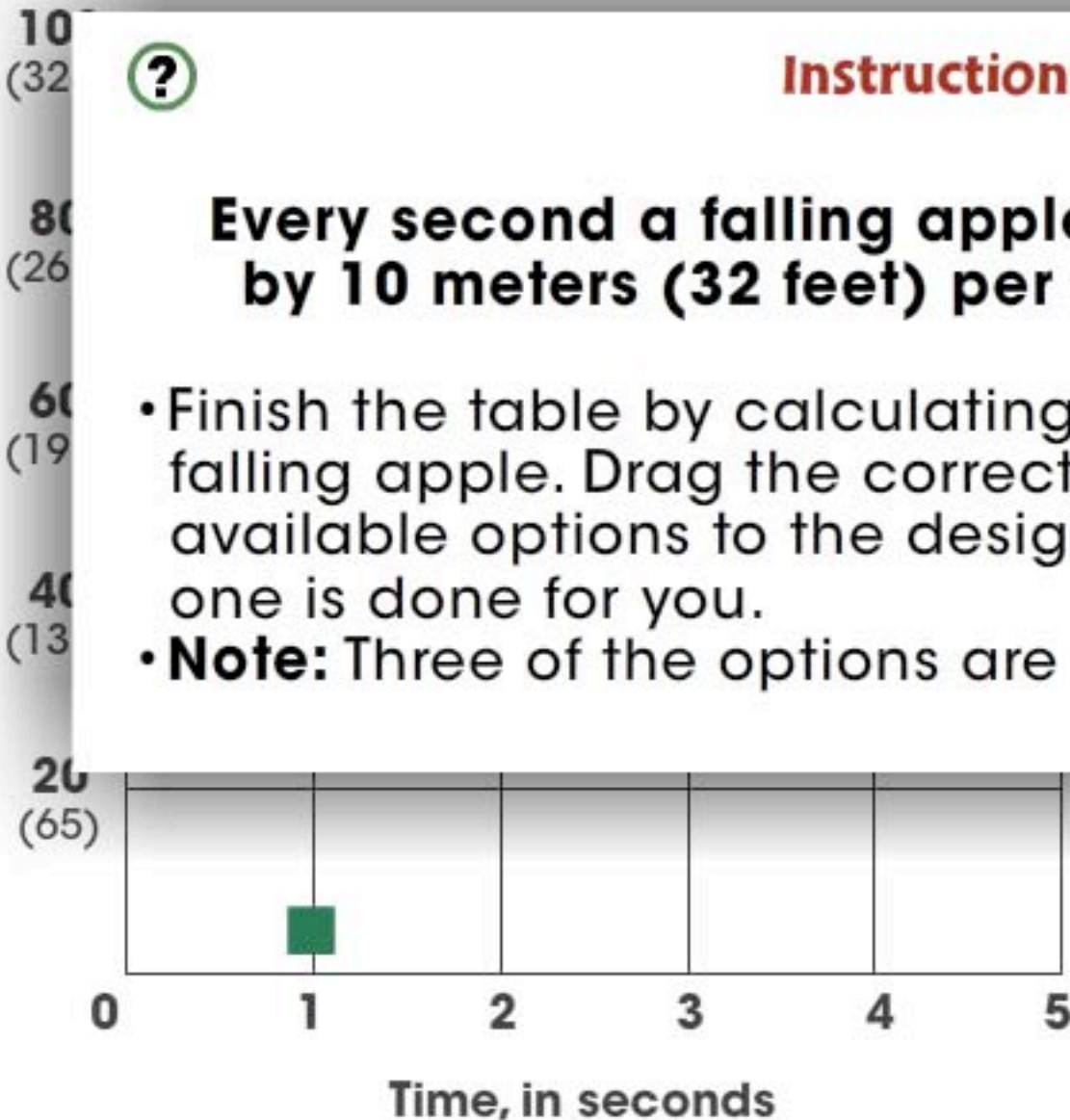
Instructions

Close X

Every second a falling apple increases its speed by 10 meters (32 feet) per second *per second*.

- Finish the table by calculating the distance of a falling apple. Drag the correct distance from the available options to the designated area. The first one is done for you.
- **Note:** Three of the options are incorrect.

Distance, in meters (feet)



45 (144) 60 (192) 80 (256)

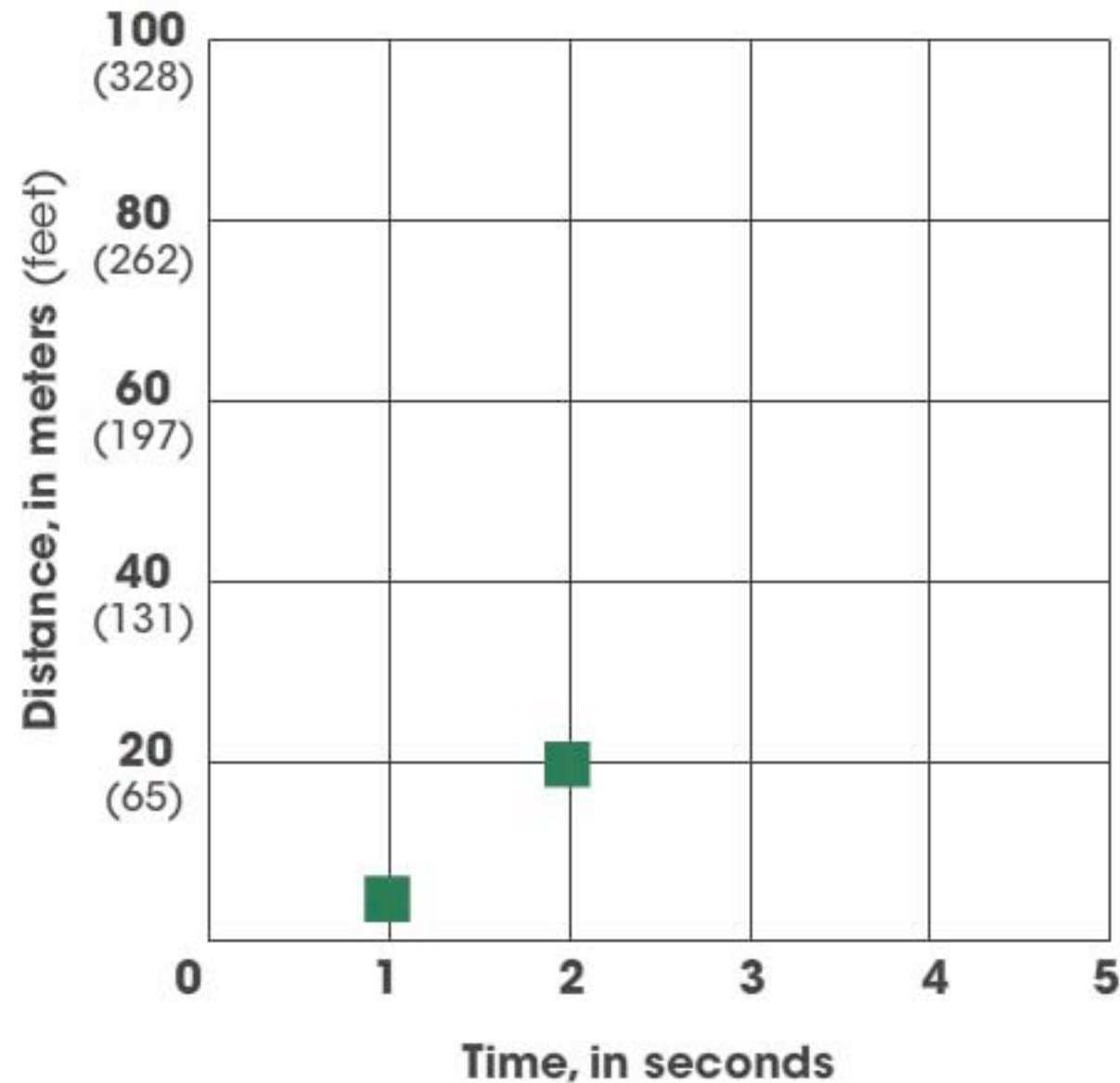


Reset

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Time, in seconds Distance, in meters(feet)

1



5 (16)

2



20 (64)



3



4



10 (32)

35 (112)

45 (144)

60 (192)

80 (256)

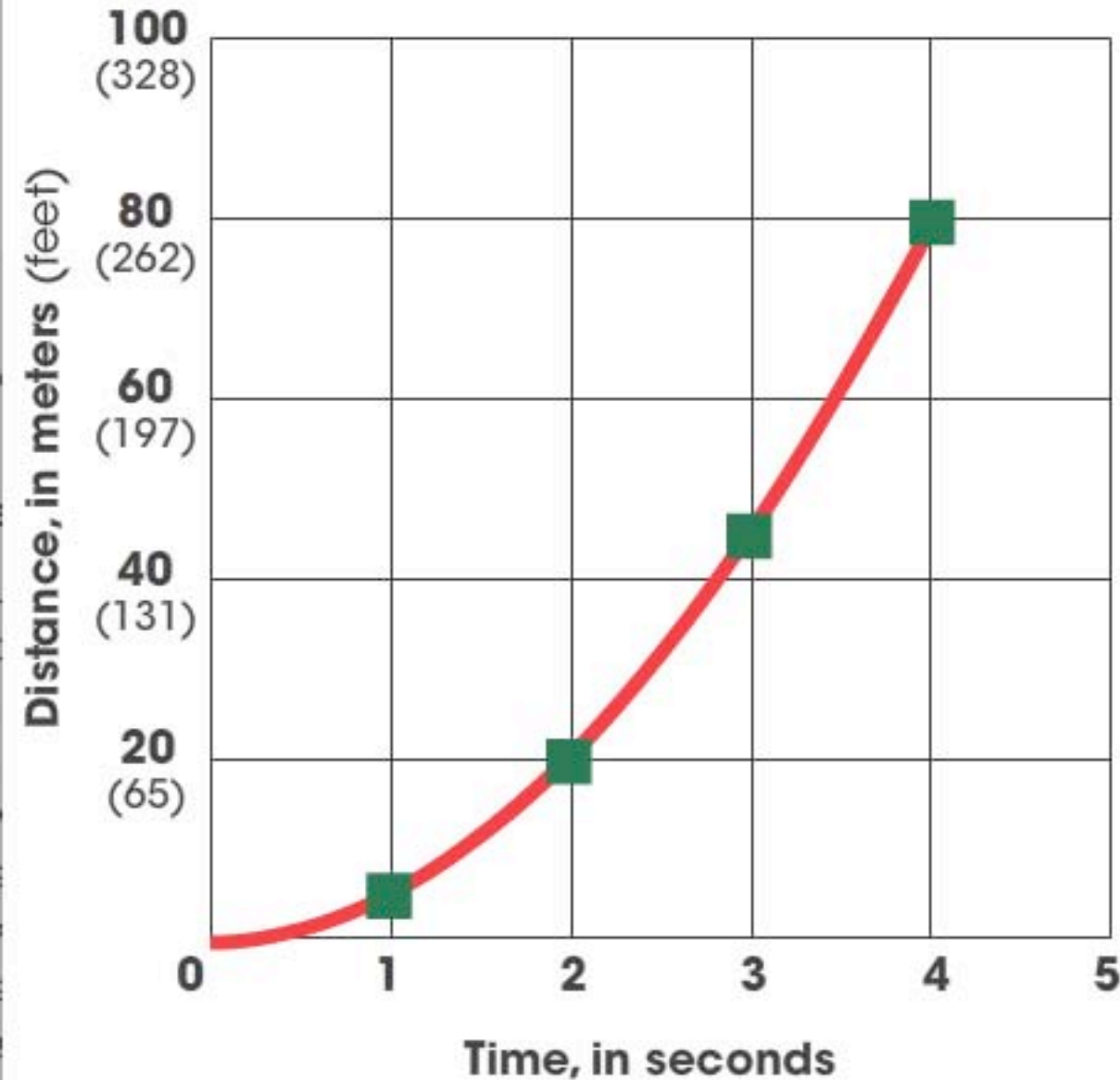






Reset

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Time, in seconds		Distance, in meters(feet)
1		5 (16)
2		20 (64)
3		45 (144)
4		80 (256)

WELL
DONE!



Reset