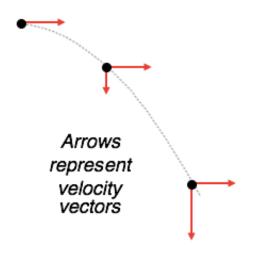
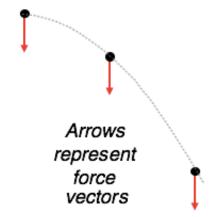
Question 1: One of these representations is not like the others. Which one doesn't belong?



"The object's vertical acceleration changes by -9.8 m/s every second."

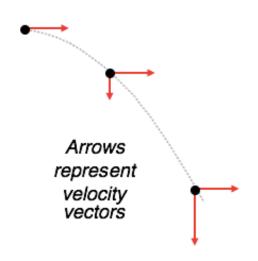
t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	8.0	0.0
1.0	8.0	-9.8
2.0	8.0	-19.6
3.0	8.0	-29.4
4.0	8.0	-39.2

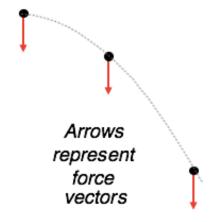


Question 2:

One of these representations is not like the others. Which one doesn't belong?

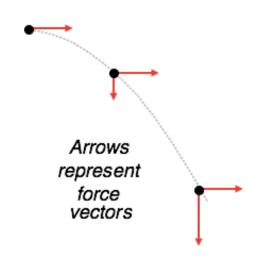
"The object's vertical acceleration changes by -9.8 m/s every second."

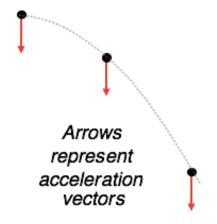




t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	8.0	0.0
1.0	8.0	-9.8
2.0	8.0	-19.6
3.0	8.0	-29.4
4.0	8.0	-39.2

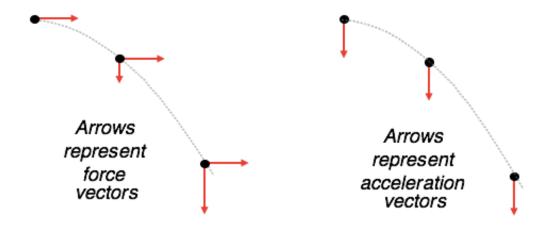
Question 3: One of these representations is not like the others. Which one doesn't belong?





t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	8.0	0.0
1.0	8.0	-9.8
2.0	8.0	-19.6
3.0	8.0	-29.4
4.0	8.0	-39.2

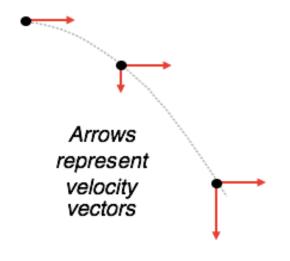
Question 4:One of these representations is not like the others. Which one doesn't belong?



t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	8.0	0.0
1.0	8.0	-9.8
2.0	8.0	-19.6
3.0	8.0	-29.4
4.0	8.0	-39.2

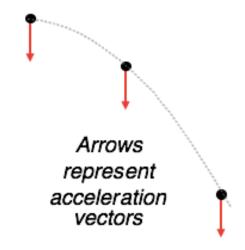
Question 5:

One of these representations is not like the others. Which one doesn't belong?

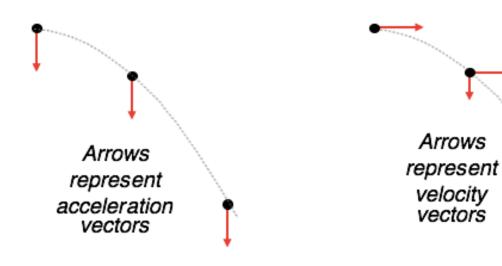


"The object's vertical acceleration is increasing as it falls."

t	ax	ay
(s)	(m/s²)	(m/s²)
0.0	0.0	-9.8
1.0	0.0	-9.8
2.0	0.0	-9.8
3.0	0.0	-9.8
4.0	0.0	-9.8



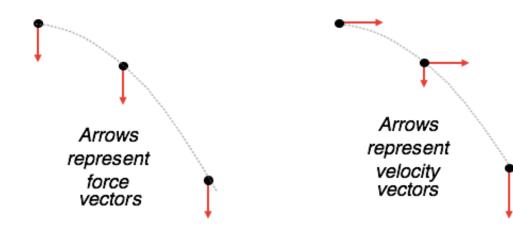
Question 6:One of these representations is not like the others. Which one doesn't belong?



t	a _x	ay
(s)	(m/s²)	(m/s²)
0.0	0.0	-9.8
1.0	0.0	-9.8
2.0	0.0	-9.8
3.0	0.0	-9.8
4.0	0.0	-9.8

"The object's vertical acceleration is increasing as it falls."

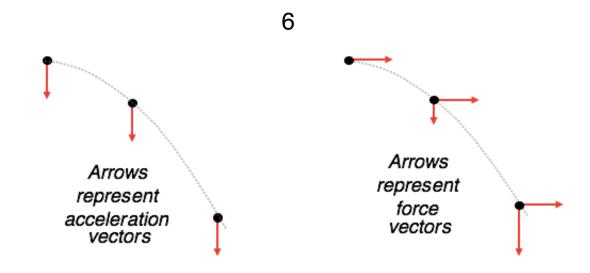
Question 7: One of these representations is not like the others. Which one doesn't belong?



t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	12.0	-9.8
1.0	12.0	-9.8
2.0	12.0	-9.8
3.0	12.0	-9.8
4.0	12.0	-9.8

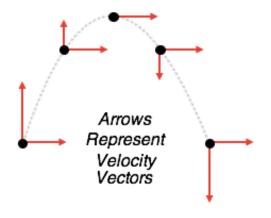
Question 8:

One of these representations is not like the others. Which one doesn't belong?



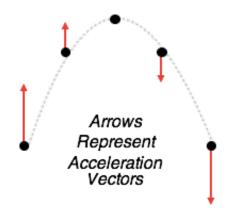
t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	12.0	0.0
1.0	12.0	-9.8
2.0	12.0	-19.6
3.0	12.0	-29.4
4.0	12.0	-39.2

Question 9: One of these representations is not like the others. Which one doesn't belong?



t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	33.9	19.6
1.0	33.9	9.8
2.0	33.9	0.0
3.0	33.9	-9.8
4.0	33.9	-19.6

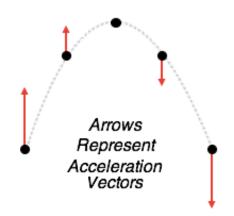
"The time to rise to the peak location equals the time to fall from the peak location."

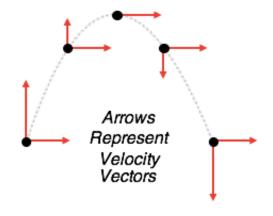


Question 10:

One of these representations is not like the others. Which one doesn't belong?

"The time to rise to the peak location equals the time to fall from the peak location."



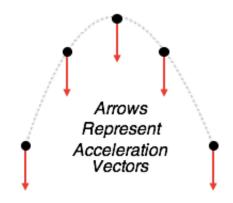


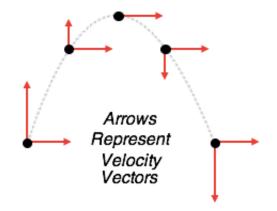
t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	33.9	19.6
1.0	33.9	9.8
2.0	33.9	0.0
3.0	33.9	-9.8
4.0	33.9	-19.6

Question 11:

One of these representations is not like the others. Which one doesn't belong?

"The projectile has a zero velocity at the highest location."



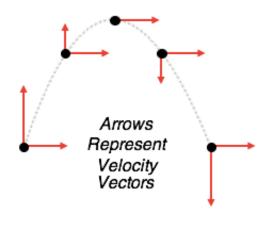


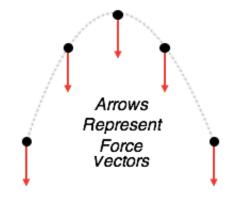
t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	33.9	19.6
1.0	33.9	9.8
2.0	33.9	0.0
3.0	33.9	-9.8
4.0	33.9	-19.6

Question 12:

One of these representations is not like the others. Which one doesn't belong?

t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	33.9	19.6
1.0	33.9	9.8
2.0	33.9	0.0
3.0	33.9	-9.8
4.0	33.9	-19.6





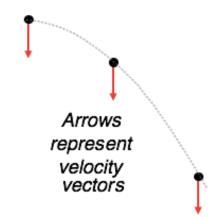
"The projectile has a zero velocity at the highest location."

Question 13:

One of these representations is not like the others. Which one doesn't belong?

t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	16.0	0.0
1.0	16.0	-9.8
2.0	16.0	-19.6
3.0	16.0	-29.4
4.0	16.0	-39.2

"The object's acceleration is directed downward."

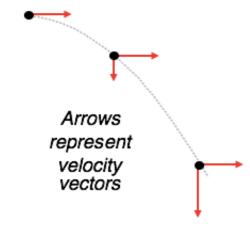


Question 14:

One of these representations is not like the others. Which one doesn't belong?

t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	16.0	0.0
1.0	16.0	-9.8
2.0	16.0	-19.6
3.0	16.0	-29.4
4.0	16.0	-39.2

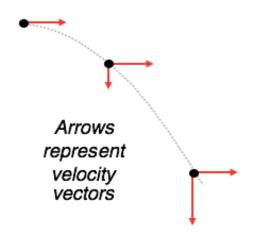
"The object's vertical acceleration changes by -9.8 m/s every second."



Question 15:

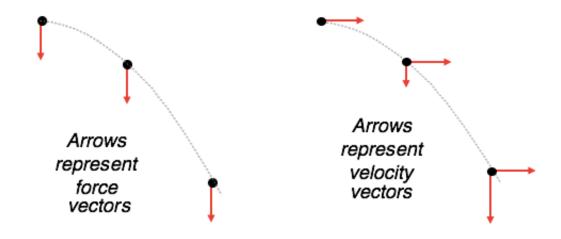
One of these representations is not like the others. Which one doesn't belong?

"The object's vertical acceleration changes by -9.8 m/s every second."



t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	16.0	0.0
1.0	16.0	-9.8
2.0	16.0	-19.6
3.0	16.0	-29.4
4.0	16.0	-39.2

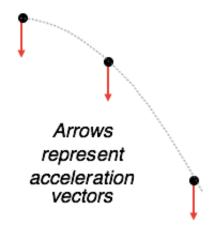
Question 16: One of these representations is not like the others. Which one doesn't belong?



t (s)	V _X (m/s)	V _y (m/s)
0.0	0.0	-9.8
1.0	0.0	-9.8
2.0	0.0	-9.8
3.0	0.0	-9.8
4.0	0.0	-9.8

Question 17:

One of these representations is not like the others. Which one doesn't belong?



t	d _x	dy
(s)	(m)	(m)
0.0	0.0	0
1.0	8.0	-4.9
2.0	16.0	-19.6
3.0	24.0	-44.1
4.0	32.0	-78.4

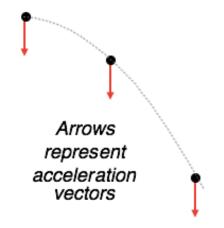
t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	8.0	-9.8
1.0	8.0	-9.8
2.0	8.0	-9.8
3.0	8.0	-9.8
4.0	8.0	-9.8

Question 18:

One of these representations is not like the others. Which one doesn't belong?

t	d _x	dy
(s)	(m)	(m)
0.0	0.0	0
1.0	8.0	-4.9
2.0	16.0	-19.6
3.0	24.0	-44.1
4.0	32.0	-78.4

t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	8.0	-9.8
1.0	8.0	-9.8
2.0	8.0	-9.8
3.0	8.0	-9.8
4.0	8.0	-9.8

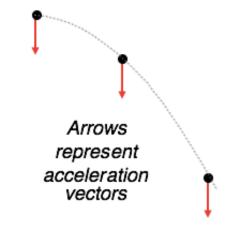


Question 19:

One of these representations is not like the others. Which one doesn't belong?

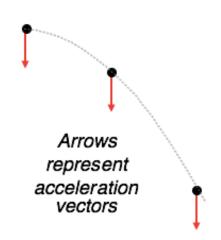
t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	8.0	-9.8
1.0	8.0	-9.8
2.0	8.0	-9.8
3.0	8.0	-9.8
4.0	8.0	-9.8

t	d _x	dy
(s)	(m)	(m)
0.0	0.0	0
1.0	8.0	-4.9
2.0	16.0	-19.6
3.0	24.0	-44.1
4.0	32.0	-78.4



Question 20:

One of these representations is not like the others. Which one doesn't belong?



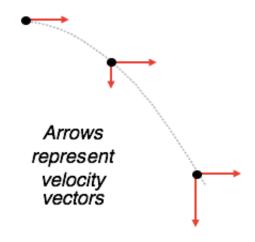
t	d _x	dy
(s)	(m)	(m)
0.0	0.0	0
1.0	8.0	-4.9
2.0	16.0	-19.6
3.0	24.0	-44.1
4.0	32.0	-78.4

t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	8.0	-9.8
1.0	8.0	-9.8
2.0	8.0	-9.8
3.0	8.0	-9.8
4.0	8.0	-9.8

Question 21:

One of these representations is not like the others. Which one doesn't belong?

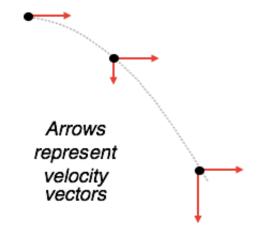
t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	12.0	0.0
1.0	12.0	-9.8
2.0	12.0	-19.6
3.0	12.0	-29.4
4.0	12.0	-39.2



t	d _x	dy
(s)	(m)	(m)
0.0	12.0	-9.8
1.0	12.0	-9.8
2.0	12.0	-9.8
3.0	12.0	-9.8
4.0	12.0	-9.8

Question 22:

One of these representations is not like the others. Which one doesn't belong?



t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	12.0	0.0
1.0	12.0	-9.8
2.0	12.0	-19.6
3.0	12.0	-29.4
4.0	12.0	-39.2

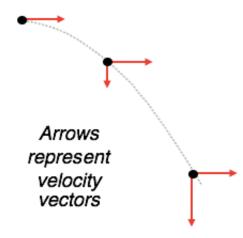
t	d _x	dy
(s)	(m)	(m)
0.0	12.0	-9.8
1.0	12.0	-9.8
2.0	12.0	-9.8
3.0	12.0	-9.8
4.0	12.0	-9.8

Question 23:

One of these representations is not like the others. Which one doesn't belong?

t	d _x	dy
(s)	(m)	(m)
0.0	12.0	-9.8
1.0	12.0	-9.8
2.0	12.0	-9.8
3.0	12.0	-9.8
4.0	12.0	-9.8

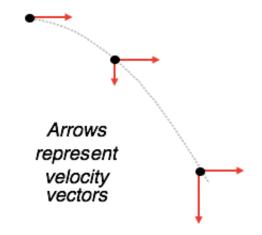
t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	12.0	0.0
1.0	12.0	-9.8
2.0	12.0	-19.6
3.0	12.0	-29.4
4.0	12.0	-39.2



Question 24:

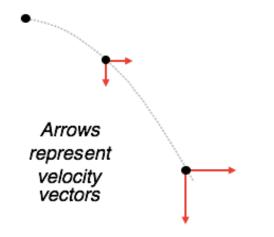
One of these representations is not like the others. Which one doesn't belong?

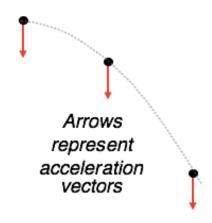
t	d _x	dy
(s)	(m)	(m)
0.0	12.0	-9.8
1.0	12.0	-9.8
2.0	12.0	-9.8
3.0	12.0	-9.8
4.0	12.0	-9.8



t (s)	V _X (m/s)	V _y (m/s)
0.0	12.0	0.0
1.0	12.0	-9.8
2.0	12.0	-19.6
3.0	12.0	-29.4
4.0	12.0	-39.2

Question 25:

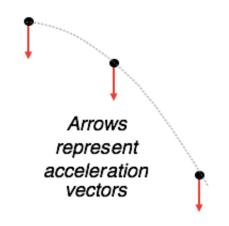


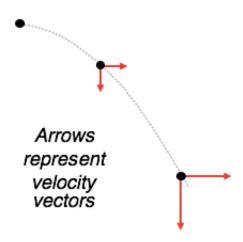


t	d _x	dy
(s)	(m)	(m)
0.0	0.0	0
1.0	8.0	-4.9
2.0	16.0	-19.6
3.0	24.0	-44.1
4.0	32.0	-78.4

t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	12.0	0.0
1.0	12.0	-9.8
2.0	12.0	-19.6
3.0	12.0	-29.4
4.0	12.0	-39.2

Question 26:

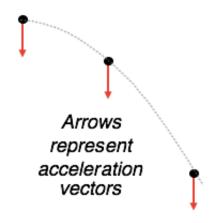




t	d_{x}	dy
(s)	(m)	(m)
0.0	0.0	0
1.0	8.0	-4.9
2.0	16.0	-19.6
3.0	24.0	-44.1
4.0	32.0	-78.4

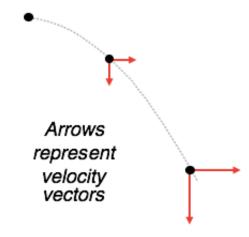
t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	12.0	0.0
1.0	12.0	-9.8
2.0	12.0	-19.6
3.0	12.0	-29.4
4.0	12.0	-39.2

Question 27:



t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	12.0	0.0
1.0	12.0	-9.8
2.0	12.0	-19.6
3.0	12.0	-29.4
4.0	12.0	-39.2

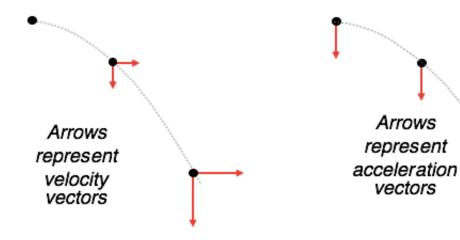
t	d _x	dy
(s)	(m)	(m)
0.0	0.0	0
1.0	8.0	-4.9
2.0	16.0	-19.6
3.0	24.0	-44.1
4.0	32.0	-78.4



Question 28:

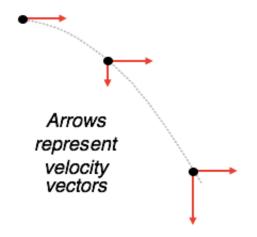
t	d _x	dy
(s)	(m)	(m)
0.0	0.0	0
1.0	8.0	-4.9
2.0	16.0	-19.6
3.0	24.0	-44.1
4.0	32.0	-78.4

t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	12.0	0.0
1.0	12.0	-9.8
2.0	12.0	-19.6
3.0	12.0	-29.4
4.0	12.0	-39.2

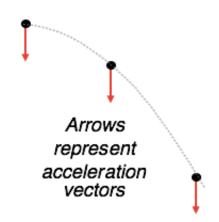


Question 29:

One of these representations is not like the others. Which one doesn't belong?



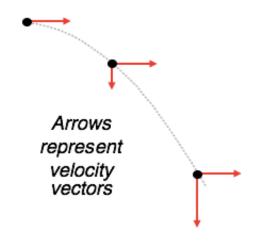
t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	0.0	0.0
1.0	16.0	-9.8
2.0	32.0	-19.6
3.0	48.0	-29.4
4.0	64.0	-39.2

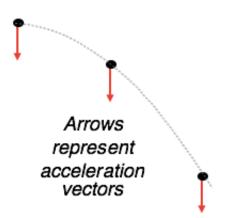


Question 30:

One of these representations is not like the others. Which one doesn't belong?

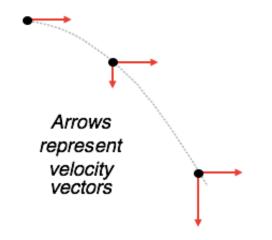
t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	0.0	0.0
1.0	16.0	-9.8
2.0	32.0	-19.6
3.0	48.0	-29.4
4.0	64.0	-39.2

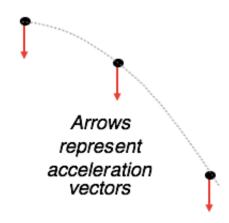




Question 31:

One of these representations is not like the others. Which one doesn't belong?

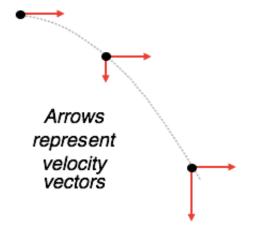


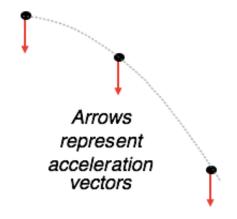


t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	0.0	0.0
1.0	16.0	-9.8
2.0	32.0	-19.6
3.0	48.0	-29.4
4.0	64.0	-39.2

Question 32:

One of these representations is not like the others. Which one doesn't belong?

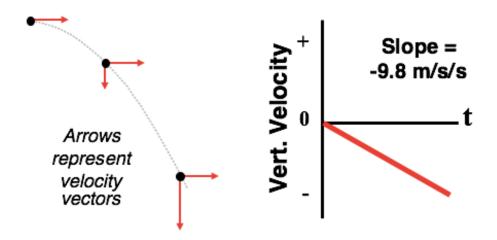




t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	0.0	0.0
1.0	16.0	-9.8
2.0	32.0	-19.6
3.0	48.0	-29.4
4.0	64.0	-39.2

Question 33:

One of these representations is not like the others. Which one doesn't belong?



"The vertical velocity changes by -9.8 m/s every second."

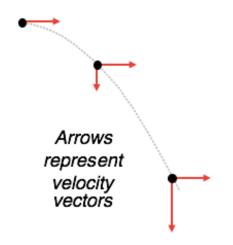
t	dx	dy
(s)	(m)	(m)
0.0	0.0	0.0
1.0	12.0	-9.8
2.0	24.0	-19.6
3.0	36.0	-29.4
4.0	48.0	-39.2

"The object's horizontal velocity remains the same throughout its motion."

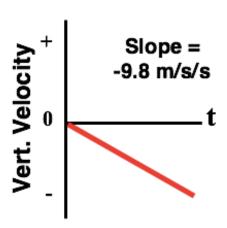
Question 34

One of these representations is not like the others. Which one doesn't belong?

"The vertical velocity changes by -9.8 m/s every second." "The object's horizontal velocity remains the same throughout its motion."



t	d _x	dy
(s)	(m)	(m)
0.0	0.0	0.0
1.0	12.0	-9.8
2.0	24.0	-19.6
3.0	36.0	-29.4
4.0	48.0	-39.2

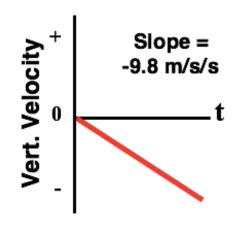


Question 35

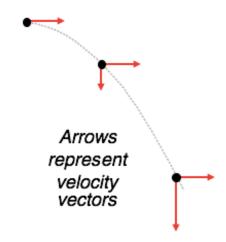
One of these representations is not like the others. Which one doesn't belong?

"The object's horizontal velocity remains the same throughout its motion."

"The vertical velocity changes by -9.8 m/s every second."

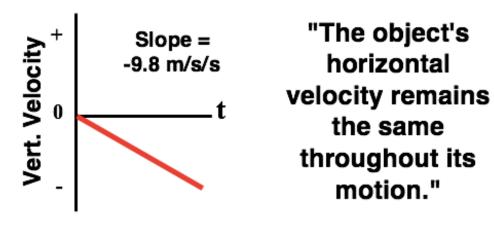


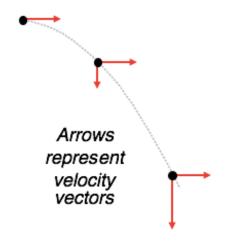
t	dx	dy
(s)	(m)	(m)
0.0	0.0	0.0
1.0	12.0	-9.8
2.0	24.0	-19.6
3.0	36.0	-29.4
4.0	48.0	-39.2



Question 36

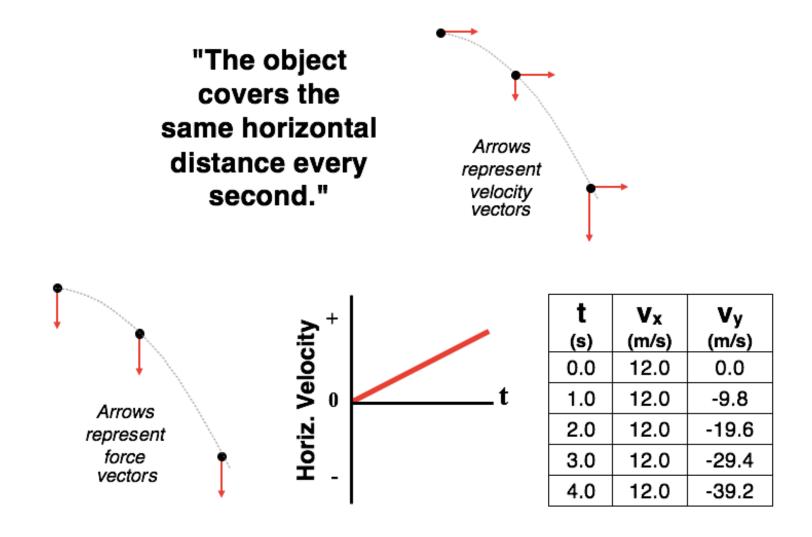
One of these representations is not like the others. Which one doesn't belong?



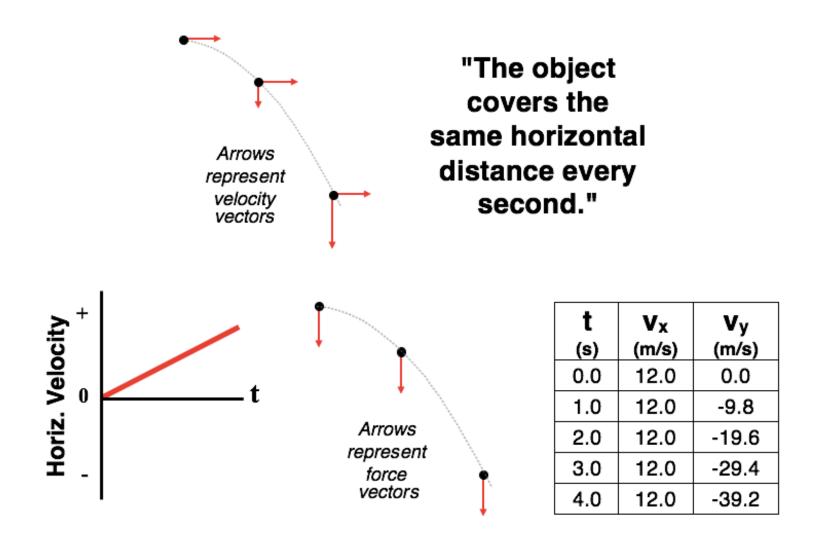


t	d _x	dy
(s)	(m)	(m)
0.0	0.0	0.0
1.0	12.0	-9.8
2.0	24.0	-19.6
3.0	36.0	-29.4
4.0	48.0	-39.2

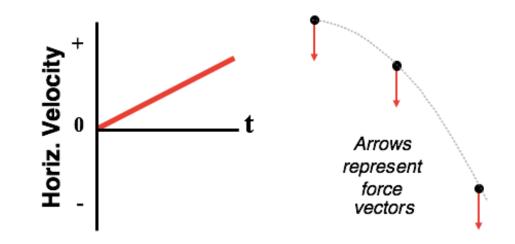
"The vertical velocity changes by -9.8 m/s every second."

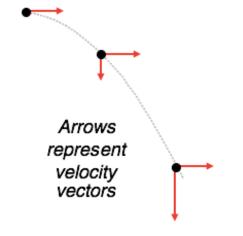


Question 38
One of these representations is not like the others. Which one doesn't belong?



One of these representations is not like the others. Which one doesn't belong?

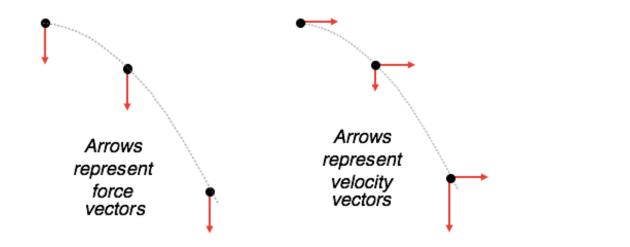




"The object covers the same horizontal distance every second."

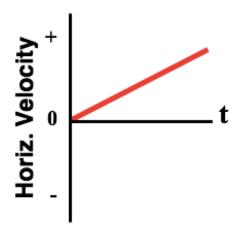
t (s)	V _X (m/s)	V y (m/s)
0.0	12.0	0.0
1.0	12.0	-9.8
2.0	12.0	-19.6
3.0	12.0	-29.4
4.0	12.0	-39.2

One of these representations is not like the others. Which one doesn't belong?



"The object covers the same horizontal distance every second."

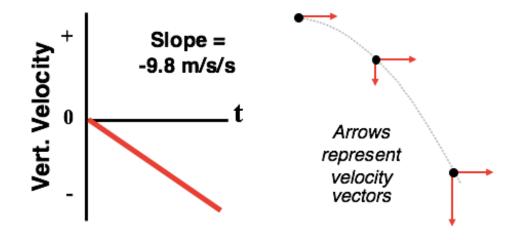
t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	12.0	0.0
1.0	12.0	-9.8
2.0	12.0	-19.6
3.0	12.0	-29.4
4.0	12.0	-39.2



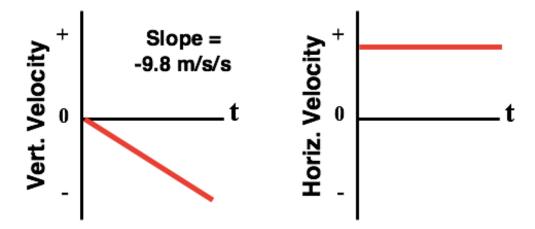
Question 41
One of these representations is not like the others. Which one doesn't belong?



t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	8.0	-9.8
1.0	8.0	-9.8
2.0	8.0	-9.8
3.0	8.0	-9.8
4.0	8.0	-9.8

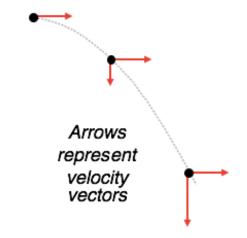


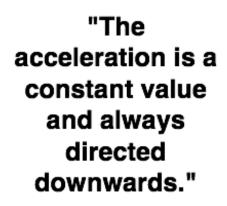
"The acceleration is a constant value and always directed downwards."

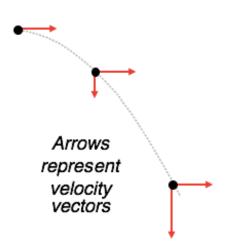


"The acceleration is a constant value and always directed downwards."

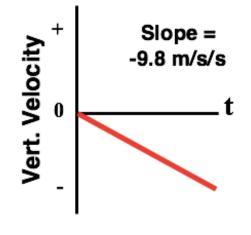
t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	8.0	-9.8
1.0	8.0	-9.8
2.0	8.0	-9.8
3.0	8.0	-9.8
4.0	8.0	-9.8

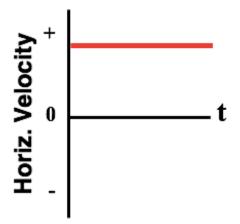


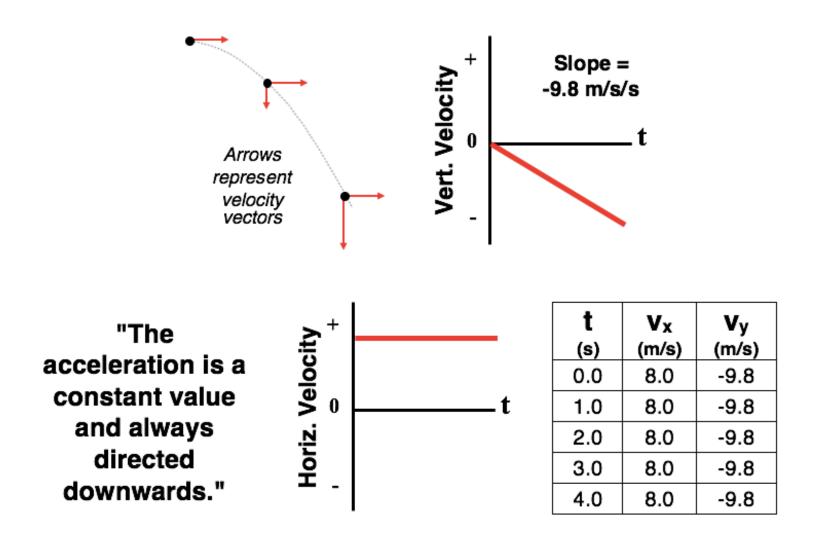


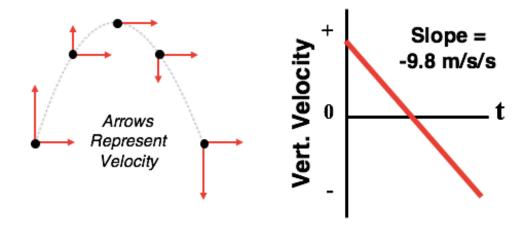


t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	8.0	-9.8
1.0	8.0	-9.8
2.0	8.0	-9.8
3.0	8.0	-9.8
4.0	8.0	-9.8









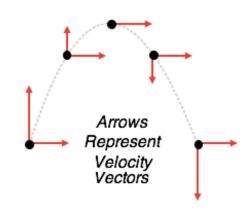
t	a _x	ay
(s)	(m/s²)	(m/s²)
0.0	0.0	-9.8
1.0	0.0	-9.8
2.0	0.0	-9.8
3.0	0.0	-9.8
4.0	0.0	-9.8

The acceleration is directed upward when rising and directed downward as it falls.

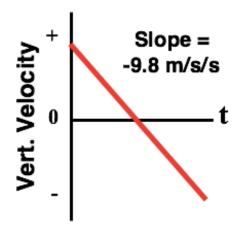
t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	33.9	19.6
1.0	33.9	9.8
2.0	33.9	0.0
3.0	33.9	-9.8
4.0	33.9	-19.6

One of these representations is not like the others. Which one doesn't belong?

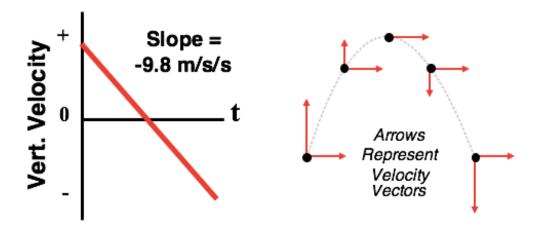
The acceleration is directed upward when rising and directed downward as it falls.



t	\mathbf{a}_{x}	ay
(s)	(m/s²)	(m/s²)
0.0	0.0	-9.8
1.0	0.0	-9.8
2.0	0.0	-9.8
3.0	0.0	-9.8
4.0	0.0	-9.8



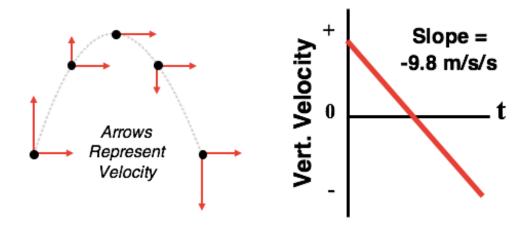
t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	33.9	19.6
1.0	33.9	9.8
2.0	33.9	0.0
3.0	33.9	-9.8
4.0	33.9	-19.6



t	Vx	Vy
(s)	(m/s)	(m/s)
0.0	33.9	19.6
1.0	33.9	9.8
2.0	33.9	0.0
3.0	33.9	-9.8
4.0	33.9	-19.6

The acceleration is directed upward when rising and directed downward as it

1	t	a _x	ay
(s)	(m/s²)	(m/s²)
0	.0	0.0	-9.8
1	.0	0.0	-9.8
2	.0	0.0	-9.8
3	.0	0.0	-9.8
4	.0	0.0	-9.8



t	V _x	V _y
(s)	(m/s)	(m/s)
0.0	33.9	19.6
1.0	33.9	9.8
2.0	33.9	0.0
3.0	33.9	-9.8
4.0	33.9	-19.6

The acceleration
is directed
upward when
rising and
directed
downward as it

t	a _x	ay
(s)	(m/s²)	(m/s²)
0.0	0.0	-9.8
1.0	0.0	-9.8
2.0	0.0	-9.8
3.0	0.0	-9.8
4.0	0.0	-9.8