

## Quiz Summary

Section Filter ▾

Student Analysis

Item Analysis

Average Score

**35%**

High Score

90%

Low Score

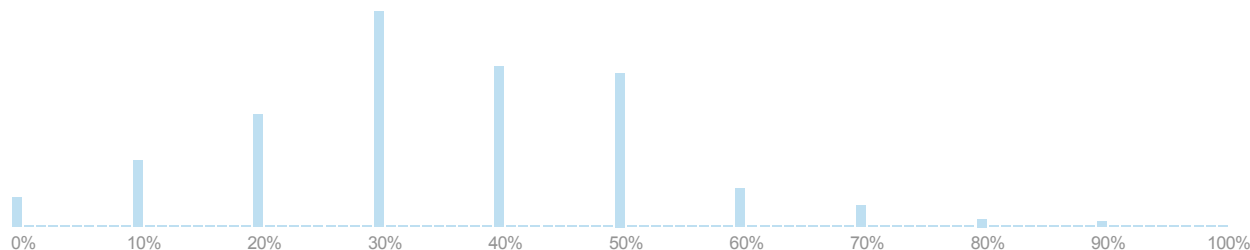
0%

Standard Deviation

1.65

Average Time

07:56



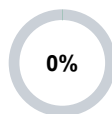
## Question Breakdown



Attempts: 230 out of 0

[View in SpeedGrader \(https://usu.instructure.com/courses/349841/gradebook/speed\\_grader?assignment\\_id=1826343\)](https://usu.instructure.com/courses/349841/gradebook/speed_grader?assignment_id=1826343)

How many hours (number) do you anticipate spending each week doing homework for this class?



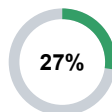
Correct answer

0% of your students received full credit for this question.

Attempts: 228 out of 231



Dr. Sojka blows by a speed trap going 45 m/s (100mph). The cop pulls out and can accelerate at 1 m/s<sup>2</sup>. Dr. Sojka tries to run, but can go no faster. How long will it take before Dr. Sojka wishes he had bought a Lamborghini? (ie. before the police car overtakes him)



Correct answer

27% of your students correctly answered this question.

**+0.46** Discrimination Index



10 seconds  
8%  
19 respondents

45 seconds  
38%  
88 respondents

90 seconds  
27%  
63 respondents

5 minutes  
3%  
6 respondents

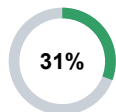
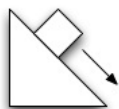
I don't know  
23%  
52 respondents

No Answer  
1%  
3 respondents

Attempts: 228 out of 231



How many forces (not including components) are acting on the box as it slides down the ramp?



**Correct answer**  
31% of your students correctly answered this question.

**+0.39** Discrimination Index ?



9% 1  
20 respondents

51% 2  
117 respondents

31% 3  
71 respondents

5% 4  
11 respondents

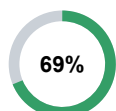
4% I don't know  
9 respondents

1% No Answer  
3 respondents

Attempts: 227 out of 231



If a ball's speed is described by the function  $Bt^3 + v_0$ , which of the following equations describes its acceleration?



**Correct answer**  
69% of your students correctly answered this question.

**+0.43** Discrimination Index ?



9% No answer text provided.  
21 respondents

2% No answer text provided.  
4 respondents

69% No answer text provided.  
159 respondents

5% No answer text provided.  
12 respondents

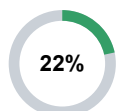
13% I don't know  
31 respondents

2% No Answer  
4 respondents

Attempts: 223 out of 231



If a ball is shot from a cannon at 10 m/s at an angle of  $30^\circ$  from the ground, what is its acceleration in the x-direction?



**Correct answer**  
22% of your students correctly answered this question.

**+0.52** Discrimination Index ?



22% No answer text provided.  
50 respondents

13% No answer text provided.  
31 respondents

14% No answer text provided.  
33 respondents

43% I don't know  
99 respondents

4% No answer text provided.  
10 respondents

3% No Answer  
8 respondents

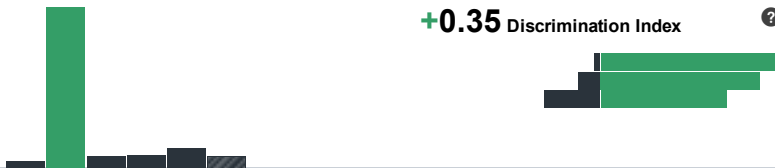
Attempts: 224 out of 231



The sum of the forces acting on an object in equilibrium is \_\_\_\_\_ and its velocity is \_\_\_\_\_.

**84%** **Correct answer**  
84% of your students correctly answered this question.

**+0.35** Discrimination Index ?



0% Strong, Slow  
1 respondents

84% Zero, Constant  
193 respondents

3% Negative, Zero  
6 respondents

3% Weak, Zero  
8 respondents

7% I don't know  
16 respondents

3% No Answer  
7 respondents

Attempts: 223 out of 231



Hooke's Law says that the restoring force of a spring is

**25%** **Correct answer**  
25% of your students correctly answered this question.

**+0.51** Discrimination Index ?



23% No answer text provided.  
54 respondents

25% No answer text provided.  
58 respondents

5% No answer text provided.  
12 respondents

3% No answer text provided.  
6 respondents

40% I don't know  
93 respondents

3% No Answer  
8 respondents

Attempts: 222 out of 231



Object A is attracted gravitationally to object B. Which action(s) would result in a doubling of the gravitational force?

**35%** **Correct answer**  
35% of your students correctly answered this question.

**+0.37** Discrimination Index ?



35% Doubling the mass of object A  
80 respondents

22% Place object A half as far away  
51 respondents

6% Double object A's initial speed toward object B  
15 respondents

23% Quadruple the density of object B  
52 respondents

10% I don't know  
24 respondents

4% No Answer  
9 respondents

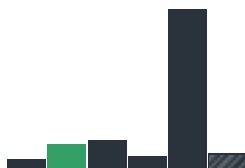
Attempts: 221 out of 231



A 100 cm<sup>3</sup> cube of aluminum, ( density 2700 kg/ m<sup>3</sup>) is fully immersed in a beaker of ethyl alcohol (density 790 kg/m<sup>3</sup>), and suspended motionless by a string. What is the tension in the string?

**Correct answer**  
9% of your students correctly answered this question.

**+0.27** Discrimination Index ?



2% 0.194 N  
4 respondents

9% 1.87 N  
20 respondents

10% 190 N  
24 respondents

3% 340 N  
7 respondents

72% I don't know  
166 respondents

4% No Answer  
10 respondents

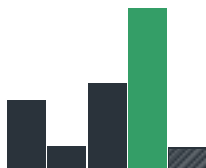
Attempts: 221 out of 231



At what temperature does the numerical value of °F match the numerical value in °C?

**Correct answer**  
48% of your students correctly answered this question.

**+0.34** Discrimination Index ?



19% 32 F  
43 respondents

5% 0 F  
11 respondents

24% -20 F  
55 respondents

48% -40 F  
112 respondents

4% No Answer  
10 respondents