Forces



| Name | Class | Date | |
|--|--------------------------------------|---|--|
| Which terms represent a vector and its respective unit? Circle the answer letter. a. weight — kilogram b. force — Newton c. momentum — Newton Two forces are applied to a 2.0 block on a frictionless horizon as shown in the diagram below acceleration of the block is a. 1.5 m/s² to the right F ₁ = 8.0 N | 9-kilogram tal surface, v. The | A 1.00 × 10³ kg car is driven a circular track with a radius of at a constant speed of 5 m/s. factor, when doubled, would greatest change in the centricacting on the car? a. mass of the car b. radius of the track c. velocity of the car Two concurrent forces have a resultant of 45 newtons and a resultant of 5 newtons. What | 25 meters Which produce the petal force 25.0 m maximum minimum |
| b ti V n | PREVIEW | | eres are agnitude een the |
| ¹ Please <u>Sign I</u> | n or Sign Up | to download | 15 kg |
| the printable sliding down an incline. Which represents the frictional force acting on the block? | | a. 1×10^{-1} kg b. 1×10^{0} kg c. 1×10^{1} kg | of 1 N |
| The magnitude of the force that bat exerts on a ball is 50 newto Write the magnitude of the force that the ball exerts on | | Iln raising an object vertically constant speed of 2.0 meters second, 10 watts of power is | per |

Ν

the bat.

20 N

40 N

50 N

5.0 N

Forces - Answer Key



| Name | Class | | D | ale | |
|--|------------|--|---|---|-------------------------------|
| Which terms represent a vector quant and its respective unit? Circle the answer letter. a. weight — kilogram b. force — Newton c. momentum — Newton Two forces are applied to a 2.0-kilogram block on a frictionless horizontal surface as shown in the diagram below. The acceleration of the block is a. 1.5 m/s² to the right F ₁ = 8.0 N 2.0 kg | | greatest chacting on the acting of the actin | ck with a rest of the car of the trace y of the car rent force 45 newto | radius of 2 of 5 m/s. d, would plue centrip | Which produce the retal force |
| b ti v PRI | VIEW | | | | eres are agnitude een the |
| ¹ Please Sign In or | Sian Un | to do | wnloa | nd | 15 kg |
| the printable version of the printable version | sion of th | | kshee bely kg kg | <u>। ।aə a ।।।aə</u> | |
| The magnitude of the force that a bas bat exerts on a ball is 50 newtons. Write the magnitude of the force that the ball exerts on the bat. 50 N | seball 10 | Iln raising a constant s second, 10 The weight | peed of 2 watts of | .0 meters power is | per developed. |