Concept-Development Practice Page 6

Racing Day with a = F/m

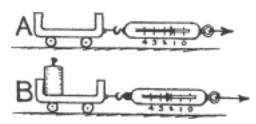
In each situation below, Cart A has a mass of **1 kg**. *Circle the correct answers* (A, B, or Same for both).

- Cart A is pulled with a force of 1 N. Cart B also has a mass of 1 kg and is pulled with a force of 2 N. Which undergoes the greater acceleration?
 - (A) (B) (Same for both)





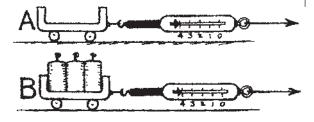
- Cart A is pulled with a force of 1 N. Cart B has a mass of 2 kg and is pulled with a force of 2 N. Which undergoes the greater acceleration?
 - (A) (B) (Same for both)



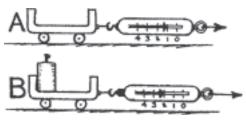
5. This time Cart A is pulled with a force of **4** N. Cart B has a mass of **4** kg and is pulled with a force of **4** N.

Which undergoes the greater acceleration?

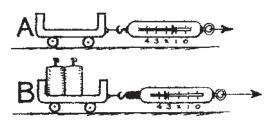
(A) (B) (Same for both)



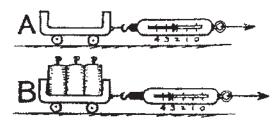
- Cart A is pulled with a force of 1 N. Cart B has a mass of 2 kg and is also pulled with a force of 1 N. Which undergoes the greater acceleration?
 - (A) (B) (Same for both)



- 4. Cart A is pulled with a force of 1 N. Cart B has a mass of 3 kg and is pulled with a force of 3 N. Which undergoes the greater acceleration?
 - (A) (B) (Same for both)



- Cart A is pulled with a force of 2 N. Cart B has a mass of 4 kg and is pulled with a force of 3 N. Which undergoes the greater acceleration?
 - (A) (B) (Same for both)



thanx to Dean Baird

CONCEPTUAL PHYSICS

