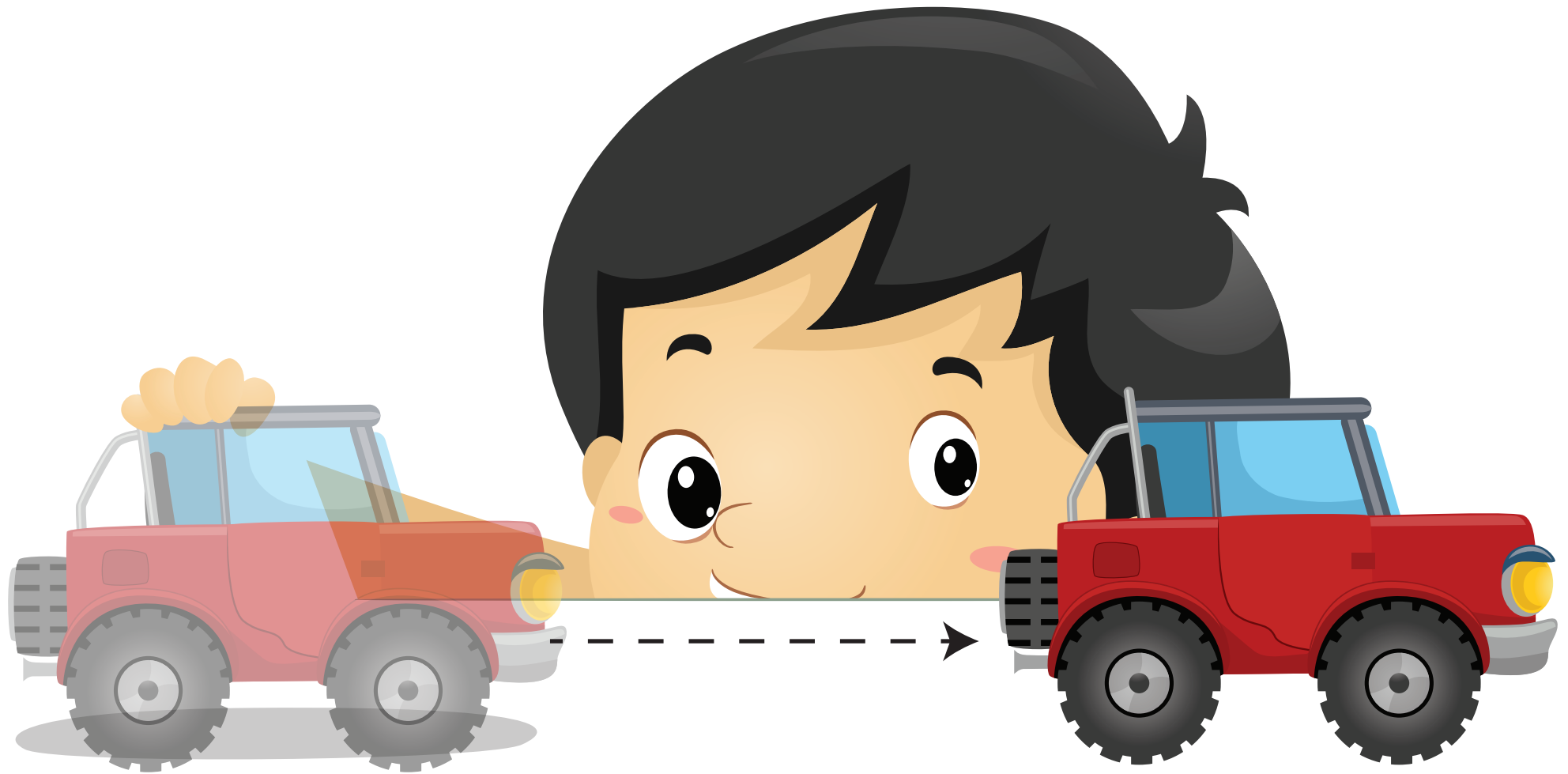


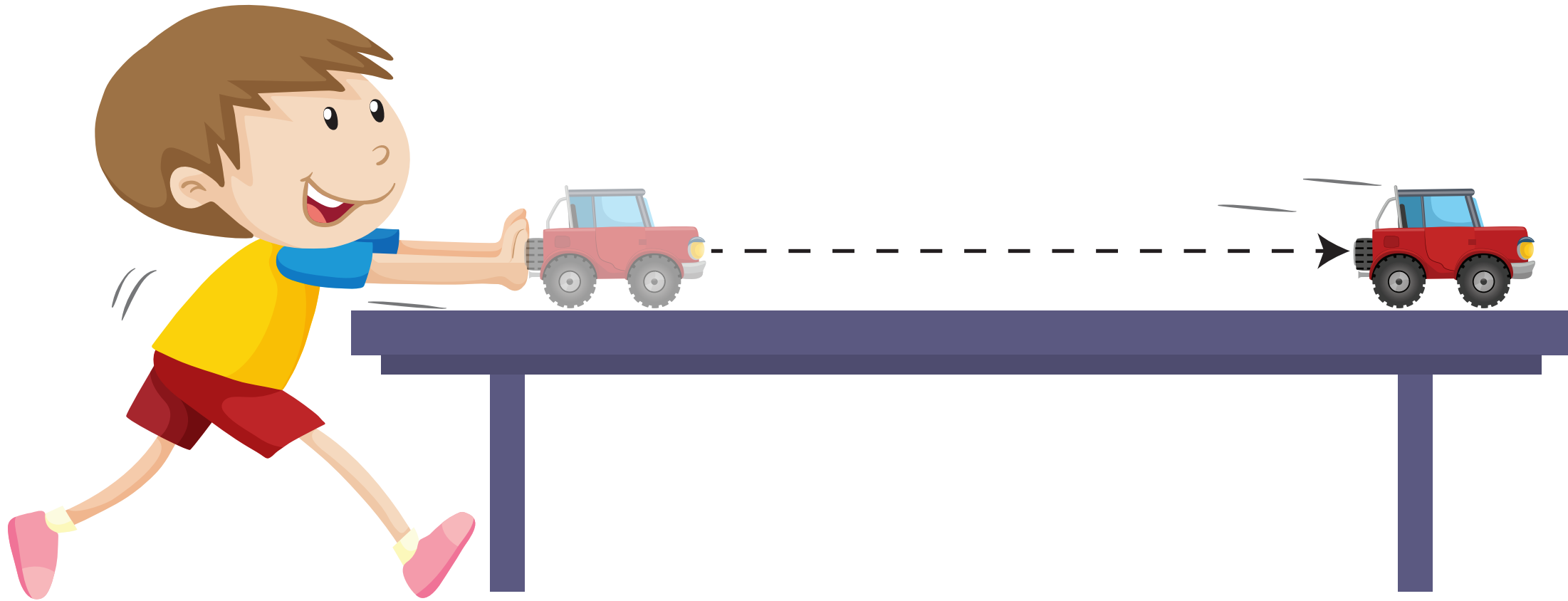
# Forces

How does the strength of a force affect an object's movement?





A soft push will make the car move slowly  
and only a short distance.



A hard push will make the car move more quickly  
and a longer distance.



An object's mass also affects how fast it moves.  
Jack uses the same amount of strength on both boxes.  
The smaller, lighter box moves more quickly.



The environment plays a part as well.  
This lady needs more force to get her pram up the hill.

How much force is needed to pull the balloon  
through the air?  
Why?



Which side will most likely win this tug of war?  
Why?



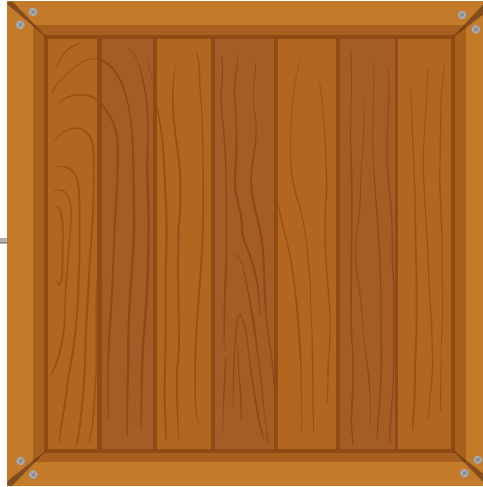
Which trolley requires more force to move?  
Why?





Both crates have the same mass.  
Which crate will move more quickly?  
Why?

weak pull



strong pull

