

MathFLIX CHALLENGE

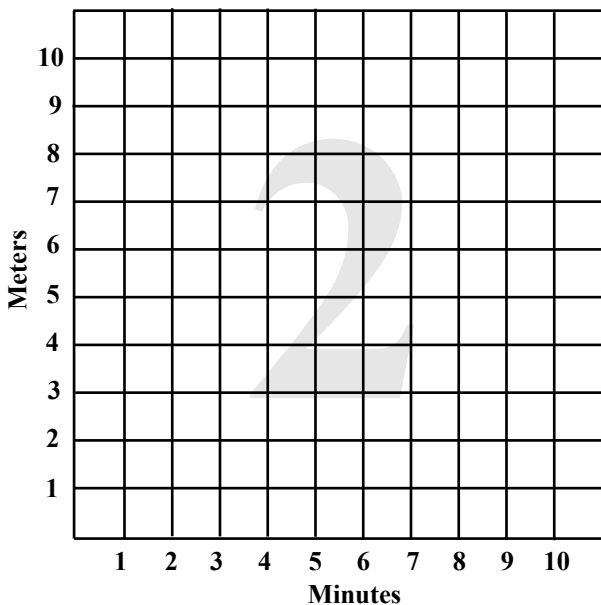
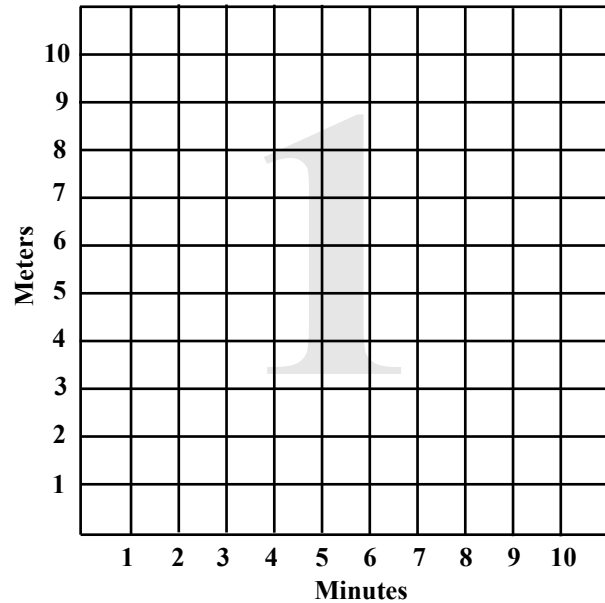
September 13, 2007
The Ten-Meter Races



Read the description of each race and then graph the details to determine the winner. You'll need to use three different markers to keep track of each contestant.

Race #1

All the racers start at the same time.
The **snail** moves at 1 meter per 1 minute.
The **tortoise** moves at 2 meters per 1 minute
The **rabbit** moves at 3 meters per 1 minute.
Who wins this ten-meter race?



Race #2

All the racers start at different times.
The **snail** starts first and moves at 1 meter per 1 minute.
The **tortoise** moves at 2 meters per 1 minute and begins five minutes after the snail.
The **rabbit** moves at 3 meters per 1 minute and begins seven minutes after the snail.
Who wins this ten-meter race?

Race #3

All the racers start at the same time but the tortoise and the rabbit stop to rest along the way.
The **snail** moves at 1 meter per minute.
The **tortoise** moves at 2 meters per minute and takes a three minute rest after four minutes.
The **rabbit** moves at 3 meters per minute and takes a five minute rest after two minutes.
Who wins this ten-meter race?

