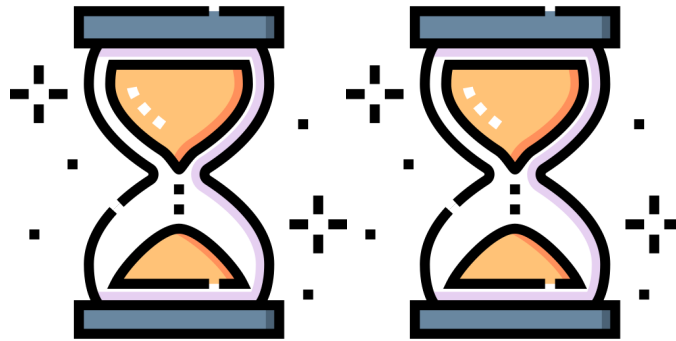


Name: _____

DUELING HOURGLASSES

There are two hourglasses in an art studio. One takes 11 minutes to completely empty and the other takes 13 minutes to completely empty. Using these two hourglasses, how can you accurately time 15 minutes?

(Hint: Draw a diagram to help you solve this brain teaser)



My Answer:

Key:

Start both hourglasses. As soon as the 11-minute hourglass finishes, flip it again. When the 13-minute hourglass runs out, the 11-minute hourglass will have 9 minutes left, so flip it and it will last another 2 minutes. 2 minutes plus 13 minutes equals 15 minutes.