



Name _____

Date _____

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Measurement and Conversion of Measurements

Problem Solving

(4.MD.1) (4.MD.2)

Directions: Solve the following word problem using numbers, pictures (model drawings), and words. 😊

Bobby can run a marathon in 4 hr 45min. Wil can run a marathon 1hr 58 min slower than Bobby. Jack can run a marathon 1hr 31 min faster than Wil. How fast can Jack run a marathon?

Answer: _____



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KEY

Answer:

Jack can run a marathon in 5hr 12 min.

Bobby's time: 4hr 45 min

Wil's time: 6 hr 43 min

Jack's time: 5 hr 12 min

Bobby can run a marathon in 4 hr 45 min. Wil's time is 1hr 58 min slower than Bobby's. This means he takes more time to run the marathon. You will need to add 1hr 58 min to 4 hr 45 min. You will need to convert minutes to hours. Wil's time is 6 hr 43 min. Next you need to find out Jack's time. Jack runs faster than Wil which means it takes less time to complete a marathon. You will need to subtract 1 hr 31 min from 6 hr 43 min. $6 \text{ hr } 43 \text{ min} - 1 \text{ hr } 31 \text{ min} = 5 \text{ hr } 12 \text{ min}$. Jack's time is 5 hr 12 min.