

## EXAMPLE 1



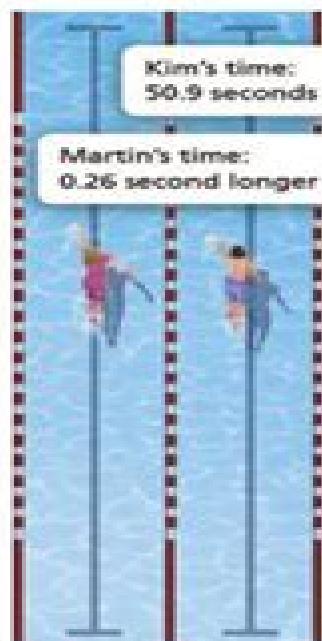
## Add Decimals

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Kim and Martin swam 50 meters. Martin took 0.26 second longer than Kim. What was Martin's time in the race?

**Be Precise** Why is precision important when working with decimals?



Find  $50.9 + 0.26$ .



Estimate first by rounding each addend.

50.9 rounds to 51.

0.26 rounds to 0.3.

$$51 + 0.3 = 51.3$$

Find the sum.

$$\begin{array}{r} 50.90 \\ + 0.26 \\ \hline \end{array}$$

Annex a **zero** so each place has a digit.

Remember to line up the place values to add.

Add each place.

$$\begin{array}{r} 50.90 \\ + 0.26 \\ \hline 51.16 \end{array}$$

You can regroup the sum of nine tenths and two tenths.

Martin swam the race in 51.16 seconds. The sum 51.16 is close to the estimate, 51.3.



## Try It!

Suppose that Martin finished the race 0.47 second after Kim. What was Martin's time in the race? Use an estimate to check that your answer is reasonable.

**Convince Me!** If Martin finished the race 0.267 second after Kim, you would need to add 0.267 to 50.9 to solve the problem. How is adding 0.267 to 50.9 different from adding 0.26 to 50.9?



# Georgia Math Volume 1 Grade 6 Answers

**CL Gary**



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