

# Speed Problems HW

Name:

Date:

Period:

EXAMPLE: A bird travels 300 km in 6 hours. What is the bird's average speed?

Step 1:	Step 2:
Step 3:	Step 4 & 5:

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1. Alex rode his bicycle 60 kilometers in 4 hours. How fast was he going?

Step 1:	Step 2:
Step 3:	Step 4 & 5:

2. Matt says he is faster than Alex. In 5 hours, Matt rode 95 kilometers. What is Matt's speed, and is he faster than Alex? (Alex's speed is in #1.)

Step 1:	Step 2:
Step 3:	Step 4 & 5: Is Alex or Matt faster?

3. Joe can pitch a baseball a distance of 48 meters in 2 seconds. How fast is his pitch?

Step 1:	Step 2:
Step 3:	Step 4 & 5:

4. A lion is trying to catch something to eat. If it takes him 5 seconds to get to his prey (food) that is 70 meters away, how fast is the lion going?

Step 1:	Step 2:
Step 3:	Step 4 & 5:

5. A football player runs 40 yards in 5 seconds. Then he runs another 10 yards in 5 seconds. What was the player's average speed?

Step 1:	Step 2:
Step 3:	Step 4 & 5:

6. A racecar driver drives around the track 3 times. The first time it took her 3 minutes to drive 15 meters. The second time, she drove 15 meters in 4 minutes. Finally, she drove 15 meters in 2 minutes. What's the racecar driver's average speed?

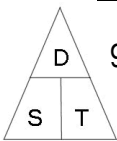
Step 1:	Step 2:
Step 3:	Step 4 & 5:

7. While on vacation, Lisa Carr took 4 hours to drive 200 miles in the morning. She then took a break and drove another 220 miles in 4 hours in the afternoon. What was her average speed?

Step 1:	Step 2:
Step 3:	Step 4 & 5:

8. For Question #7, calculate Lisa's speed in the morning and her speed in the afternoon. Do you think that Lisa traveled at the same speed for her entire trip? Why do you think we use the term "average speed"?

Morning speed =	Afternoon Speed =
Did Lisa travel the same speed the entire trip? Why?	Why do we use the term "average speed"?



9. Chris is late for school. If school is 60 meters away and the speed limit is 30 meters per minute, how **much time** will it take him to get to school? (Hint: You will have to use the time equation.)

Step 1:	Step 2:
Step 3:	Step 4 & 5: