

Writing Equations - Words**Averages****March 26, 2012**

Show the setup of each problem, write an equation, and solve.

1) Find the average of the following numbers: 3, 7, 20.	2) Find the average of the following numbers: 20, 8, 17.
3) Find the average of the following numbers: 18, 9, 20, 6, 17.	4) Find the average of the following numbers: 1, 20, 3, 20, 1, 3.
5) On Imelda's first three exams, Imelda scored 99%, 89%, 62%. What would Imelda have to score on the 4th exam to get an overall average of 87% ?	6) On Pricilla's first five exams, Pricilla scored 91%, 62%, 61%, 62%, 64%. What would Pricilla have to score on the 6th exam to get an overall average of 70% ?
7) There are eight exams in the semester. Hope is hoping to end the semester with an overall 73%. If Hope scored an average of 69% on the first four, what would Hope have to score on the next four exams?	8) There are ten exams in the semester. Brent wants to end the semester with a 85% average. If Brent scored an average of 75% on the first six, what would Brent have to score on the next four exams?
9) There are eight exams in the semester. James wants to end the semester with a 75% average. If James scored an average of 61% on the first four, what would James have to score on the next four exams?	10) Blake has eight more than three times as many nickels as dimes. If he has a total of \$2.65. How many dimes and nickels does he have?
11) Nina drove an average of 64 miles per hour for a 14-hour trip. During the first eight hours, Nina drove 73 miles per hour. What was the average speed Nina drove for the last six hours?	12) Nicolas drove an average of 73 miles per hour for a 8-hour trip. During the first six hours, Nicolas drove 74 miles per hour. What was the average speed Nicolas drove for the last two hours?
13) Delilayha drove an average of 64 miles per hour for a 10-hour trip. During the first four hours, Delilayha drove 58 miles per hour. What was the average speed Delilayha drove for the last six hours?	14) Enrique drove an average of 67 miles per hour for a 5-hour trip. During the first two hours, Enrique drove 64 miles per hour. What was the average speed Enrique drove for the last three hours?

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