1. $\boxed{55}$
2. $\boxed{\$2730}$
3. a) $\boxed{240}$ b) $\boxed{63}$
4. $\boxed{28}$
5. $\boxed{480}$
6. $\boxed{\$174.4}$
7. $\boxed{\$45}$
8. Remember from the Average lesson that $total = average \times number$. So if the average of a book and a magazine is \$6.10, then their total combined cost is $\$6.10 \times 2 = \$12.20$. If the average cost of a book and a dictionary is \$10.40, then the total cost is $\$10.40 \times 2 = \$20.80$. If the book costs \$6.90, ten the cost of the magazine is $\$12.20 - \$6.90 = \$5.30$. Also, the dictionary must cost $\$20.80 - \$6.90 = \$13.90$. So the average of the magazine and dictionary is $\frac{\$5.30 + \$13.90}{2} = \frac{\$19.20}{2} = \boxed{\$9.60}$.
9. If 6 girls have an average of 18 stickers, then the 6 girls have a total of $6 \times 18 = 108$ stickers. If 9 girls have an average of 27 stickers, then the 9 girls have a total of $9 \times 27 = 243$ stickers. So the total that the 3 new girls have is $243 - 108 = 135$ stickers. If the 10th girl has 25 stickers, then the Three Girls + Tenth Girl have a total of $135 + 25 = 160$ stickers. Their average is $\frac{total\ stickers}{number\ of\ girls} = \frac{160}{4} = \boxed{40}$.
10. If the total distance is 23.4 miles, then the first two miles cost \$2.20, and the rest of the miles (or $23.4 - 2 = 21.4$ miles) cost \$0.10 per half-mile or part thereof. This means we round up to the nearest half mile, so she has 21.5 miles to pay for. How many half miles are in 21.5? $21.5 \div \frac{1}{2} = 21.5 \times 2 = 43$ half-miles. If each half-mile costs \$0.10, then she must also pay $43 \times \$0.10 = \$4.30$. So her total owed in taxi fares is $\$2.20 + \$4.30 = \$6.50$. If she gives him a \$20, then she gets $\$20 - \$6.50 = \boxed{\$13.50}$ in change.