Unit 3

1. A package of sliced cheese costs $2.97 and has 11 slices of cheese.
   How much would a package with 18 slices cost at the same price per slice? Explain or show your reasoning.

2. A copy machine can print 480 copies every 4 minutes. For each question, explain or show your reasoning.
   a. How many copies can it print in 10 minutes?
   b. A teacher printed 720 copies. How long did it take to print?

3. A restaurant is offering 2 specials: 10 burritos for $12, or 6 burritos for $7.50. Noah needs 60 burritos for his party. Should he buy 6 orders of the 10-burrito special or 10 orders of the 6-burrito special? Explain your reasoning.
   6 orders of 10 burritos because it will only be $72 and the other would be $75

4. Two planes travel at a constant speed. Plane A travels 2,800 miles in 5 hours. Plane B travels 3,885 miles in 7 hours. Which plane is faster? Explain your reasoning.

5. 160 is what percentage of 40?

6. 40 is 160% of what number?

7. What number is 40% of 160?
8. The original price of a scarf was $16. During a store-closing sale, a shopper saved $12 on the scarf. What percentage discount did she receive? Explain or show your reasoning.

9. Answer the following questions about 50%.
   a. How can you find 50% of a number quickly in your head?

   b. Andre lives 1.6 km from school. What is 50% of 1.6 km?

   c. Diego lives 1/2 mile from school. What is 50% of 1/2 mile?

10. Complete each statement.
   • 20% of 60 is ________
   • 25% of ________ is 6
   • ________% of 100 is 14
   • 50% of 90 is ________
   • 10% of ________ is 7
   • 30% of 70 is ________