

Name _____

Math # _____

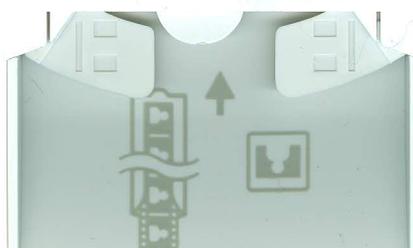
Write formulas for the following word problems and use them to answer the questions.

1. Rapid Prints charge a basic rate of \$1.50 for handling a CD with digital photographs and 25 cents for each print made.

a) Write a formula for finding the cost of processing any number of prints

b) If the CD had 40 digital photographs on it, how much would it cost to have them all printed?

c) A person was charged \$7.50. How many prints did they have printed from their CD?



2. A company pays its employees \$5.50 per hour plus a bonus of \$20 if they meet performance targets.
- Write a formula for working out the pay for all employees who have earned their bonus.
 - How much would a person be paid if they had worked 38 hours and earned their bonus?
 - If someone who had earned a bonus was paid \$174, how many hours had they worked?
3. A local newspaper charges a minimum charge of \$5.80 for placing an advertisement of up to 15 words in their weekly newspaper. Each additional word is charged at 34 cents.
- Write a formula for calculating the cost of advertisements that are over 15 words long.
 - An advertisement of 27 words was put in the newspaper. How much did it cost?
 - An advertisement cost \$13.62. How many words long was it?

If you finish these questions, try writing some word questions of your own for your partner to solve. Remember that you must also be able to write the formula yourself!

