

LESSON

7

Introduction to Algebra**Problem Solving: Multiplication Equations**

Write and solve a multiplication equation to answer each question.

1. In 1975, a person earning minimum wage made \$80 for a 40-hour work week. What was the minimum wage per hour in 1975?
2. If an ostrich could maintain its maximum speed for 5 hours, it could run 225 miles. How fast can an ostrich run?
3. About 2,000,000 people live in Paris, the capital of France. That is 80 times larger than the population of Paris, Texas. How many people live in Paris, Texas?
4. The average person in China goes to the movies 12 times per year. That is 3 times more than the average American goes to the movies. How many times per year does the average American go to the movies?

Circle the letter of the correct answer.

5. Recycling just 1 ton of paper saves 17 trees! If a city recycled enough paper to save 136 trees, how many tons of paper did it recycle?
A 7 tons
B 8 tons
C 9 tons
D 119 tons
6. Seaweed found along the coast of California, called giant kelp, grows up to 18 inches per day. If a giant kelp plant has grown 162 inches at this rate, for how many days has it been growing?
F 180 days H 9 days
G 144 days J 8 days
7. The distance between Atlanta, Georgia, and Denver, Colorado, is 1,398 miles. That is twice the distance between Atlanta and Detroit, Michigan. How many miles would you have to drive to get from Atlanta to Detroit?
A 2,796 miles
B 349.5 miles
C 699 miles
D 1,400 miles
8. Jupiter has 2 times more moons than Neptune has, and 8 times more moons than Mars has. Jupiter has 16 moons. How many moons do Neptune and Mars each have?
F 8 moons, 2 moons
G 2 moons, 8 moons
H 128 moons, 32 moons
J 32 moons, 128 moons