

Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

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### Proportions #3

Write the proportions suggested by each problem (1-5). Then solve the problem by solving the proportion.

1. If a stamp machine can make 360 stamps in 3 minutes, how many stamps can it make in eight hours?

Proportion: \_\_\_\_\_

Solution: \_\_\_\_\_

2. It took Bob  $1\frac{1}{4}$  hours to walk  $\frac{5}{8}$  of the way home. At the same rate, how many hours would it take Jim to walk all the way home?

Proportion: \_\_\_\_\_

Solution: \_\_\_\_\_

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**Proportions #3** (page 2)

3. A student who is 5'6" casts a 4' shadow. How many feet tall is a nearby tree which casts a 24' shadow?

Proportion: \_\_\_\_\_

Solution: \_\_\_\_\_

4. A basketball player makes 80% of the shots he attempts in each game. In a certain game, he made 20 of his shots. How many shots did he attempt in the game?

Proportion: \_\_\_\_\_

Solution: \_\_\_\_\_

5. An average person can walk a mile in 15 minutes. At this rate, it takes 18 minutes to walk around the outside of the Pentagon in Washington, DC. What is the number of feet in the perimeter of the Pentagon? (5,280 feet = 1 mile)

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