# UNITARY METHOD WORD PROBLEMS 

Name: $\qquad$ Date: $\qquad$ Score $\qquad$

## WORKSHEET-3

## Answer each question and round your answer to the nearest whole number.

1. Oak Grove and Kumba are 2 in apart on a map that has a scale of 1 in : 6 mi . How far apart are the real cities?
A) 72 mi
B) 13 mi
C) 14 mi
D) 12 mi
2. A model train has a scale of 1 in : 2 ft . If the model train is 6 in tall, then how tall is the real train?
A) 12 ft
B) 3 ft
C) 2 ft
D) 8 ft
3. A 2 ft tall globe standing next to a petrified stump casts a 5 ft shadow. If the petrified stump is 4 ft tall, then how long is its shadow?
A) 1 ft
B) 2 ft
C) 13 ft
D) 10 ft
4. A 3 ft tall bird bath standing next to a man casts a 1 ft shadow. If the man casts a shadow that is 2 ft long, then how tall is he?
A) 6 ft
B) 18 ft
C) oft
D) 9 ft
5. A 2 ft tall globe standing next to a car casts a 1 ft shadow. If the car is 6 ft tall, then how long is its shadow?
A) 3 ft
B) 4 ft
C) 12 ft
D) 1 ft
6. A model house is 10 in wide. If it was built with a scale of $1 \mathrm{in}: 2 \mathrm{ft}$, then how wide is the real house?
A) 12 ft
B) 2 ft
C) 20 ft
D) 5 ft
7. A model house has a scale of $1 \mathrm{in}: 2 \mathrm{ft}$. If the real house is 20 ft tall, then how tall is the model house?
A) 18 in
B) 2 in
C) 10 in
D) 40 in
8. A model motorcycle has a scale of $1 \mathrm{in}: 2 \mathrm{ft}$. If the real motorcycle is 10 ft long, then how long is the model motorcycle?
A) 8 in
B) 20 in
C) 5 in
D) 2 in
9. A 6 ft tall woman standing next to a telephone booth casts a 2 ft shadow. If the telephone booth casts a shadow that is 3 ft long, then how tall is it?
A) 9 ft
B) 18 ft
C) 27 ft
D) 1 ft
10. A particular giraffe is 10 ft tall. A model of it was built with a scale of $1 \mathrm{in}: 2 \mathrm{ft}$. How tall is the model?
A) 8 in
B) 2 in
C) 5 in
D) 20 in
11. If a 14 ft tall ladder casts a 7 ft long shadow, then how tall is a statue that casts a 5 ft shadow?
A) 28 ft
B) 4 ft
C) 10 ft
D) 20 ft
12. If a 10 ft tall statue casts a 20 ft long shadow, then how tall is a man that casts a 12 ft shadow?
A) 6 ft
B) 5 ft
C) 40 ft
D) 3 ft
13. A statue that is 12 ft tall casts a shadow that is 8 ft long. Find the length of the shadow that a 9 ft adult elephant casts.
A) 14 ft
B) 6 ft
C) 5 ft
D) 18 ft
14. If a 4 ft tall baby elephant casts a 5 ft long shadow, then how tall is an adult giraffe that casts a 20 ft shadow?
A) 13 ft
B) 16 ft
C) 6 ft
D) 3 ft
15. If a 6 ft tall baby giraffe casts a 12 ft long shadow, then how tall is a car that casts a 8 ft shadow?
A) 4 ft
B) 24 ft
C) 2 ft
D) 3 ft

## Answer key Worksheet-3

1. D
2. A
3. D
4. A
5. A
6. C
7. C
8. C
9. A
10. C
11. C
12. A
13. B
14. B
15. A
