

Worksheet 3 - Shadow Problems

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

- 1) If a 10 ft tall tent casts a 20 ft long shadow then how long is the shadow that a 8 ft tall baby giraffe casts?
- 2) If a 20 ft tall flagpole casts a 10 ft long shadow then how long is the shadow that a 6 ft tall petrified stump casts?
- 3) A tent that is 8 ft tall casts a shadow that is 12 ft long. Find the length of the shadow that a 2 ft globe casts.
- 4) An adult giraffe that is 14 ft tall casts a shadow that is 7 ft long. Find the length of the shadow that a 2 ft globe casts.
- 5) If a 6 ft tall car casts a 9 ft long shadow then how tall is a globe that casts a 3 ft shadow?
- 6) A cardboard box that is 4 ft tall casts a shadow that is 2 ft long. Find the height of an adult giraffe that casts a 7 ft shadow.
- 7) A 16 ft tall statue standing next to a lawn ornament casts a 4 ft shadow. If the lawn ornament casts a shadow that is 1 ft long then how tall is it?
- 8) If a 4 ft tall cardboard box casts a 2 ft long shadow then how long is the shadow that a 14 ft tall statue casts?

- 9) A woman that is 6 ft tall casts a shadow that is 12 ft long. Find the height of an adult elephant that casts a 16 ft shadow.
- 10) A cardboard box that is 6 ft tall casts a shadow that is 14 ft long. Find the length of the shadow that a 3 ft bird bath casts.
- 11) A 2 ft tall lawn ornament standing next to a man casts a 4 ft shadow. If the man is 6 ft tall then how long is his shadow?
- 12) A 6 ft tall car standing next to an adult giraffe casts a 3 ft shadow. If the adult giraffe casts a shadow that is 7 ft long then how tall is it?
- 13) A petrified stump that is 8 ft tall casts a shadow that is 16 ft long. Find the length of the shadow that a 10 ft adult elephant casts.
- 14) If a 2 ft tall globe casts a 4 ft long shadow then how tall is a telephone booth that casts a 16 ft shadow?
- 15) A 8 ft tall petrified stump standing next to a lawn ornament casts a 16 ft shadow. If the lawn ornament casts a shadow that is 8 ft long then how tall is it?
- 16) A 10 ft tall tent standing next to a baby giraffe casts a 15 ft shadow. If the baby giraffe casts a shadow that is 12 ft long then how tall is it?