

Similar figure word problems. Write proportions to solve.

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

- 1) A 4 ft tall baby elephant standing next to a man casts a 6 ft shadow. If the man casts a shadow that is 9 ft long then how tall is he?
- 2) A woman that is 6 ft tall casts a shadow that is 18 ft long. Find the height of a car that casts a 12 ft shadow.
- 3) A 6 ft tall baby giraffe standing next to an adult elephant casts a 15 ft shadow. If the adult elephant casts a shadow that is 20 ft long then how tall is it?
- 4) A 6 ft tall petrified stump standing next to a car casts a 12 ft shadow. If the car casts a shadow that is 6 ft long then how tall is it?
- 5) If a 14 ft tall adult giraffe casts a 7 ft long shadow then how tall is a cardboard box that casts a 4 ft shadow?
- 6) A 6 ft tall petrified stump standing next to an adult elephant casts a 3 ft shadow. If the adult elephant casts a shadow that is 5 ft long then how tall is it?
- 7) A 8 ft tall tent standing next to a man casts a 16 ft shadow. If the man is 6 ft tall then how long is his shadow?
- 8) A 5 ft tall petrified stump standing next to a statue casts a 4 ft shadow. If the statue is 15 ft tall then how long is its shadow?
- 9) If a 6 ft tall baby giraffe casts a 4 ft long shadow then how tall is an adult giraffe that casts a 10 ft shadow?
- 10) A 15 ft tall statue standing next to a globe casts a 20 ft shadow. If the globe is 3 ft tall then how long is its shadow?
- 11) If a 8 ft tall telephone booth casts a 14 ft long shadow then how long is the shadow that a 4 ft tall petrified stump casts?
- 12) A 18 ft tall adult giraffe standing next to a statue casts a 9 ft shadow. If the statue is 10 ft tall then how long is its shadow?