Proportion Practice Name_____

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?

Solve each proportion.

13) $\frac{3}{x} = \frac{8}{6}$

14) $\frac{n}{5} = \frac{3}{6}$

15) $\frac{3}{6} = \frac{a}{4}$

16) $\frac{8}{4} = \frac{4}{v}$

17) $\frac{x}{4} = \frac{3}{6}$

18) $\frac{n}{2} = \frac{4}{8}$

19) $\frac{x}{4} = \frac{2}{5}$

20) $\frac{4}{k} = \frac{7}{3}$

21) $\frac{4}{p} = \frac{5}{8}$

22) $\frac{4}{5} = \frac{8}{x}$

23) $\frac{2}{7} = \frac{5}{n}$

24) $\frac{6}{2} = \frac{m}{5}$

25) $\frac{r}{6} = \frac{5}{7}$

26) $\frac{2}{5} = \frac{5}{x}$

27) $\frac{6}{b} = \frac{7}{4}$

28) $\frac{4}{n} = \frac{6}{5}$

29) $\frac{6}{2} = \frac{v}{3}$

30) $\frac{2}{x} = \frac{4}{6}$

31) $\frac{n}{6} = \frac{7}{4}$

32) $\frac{8}{4} = \frac{k}{7}$

33) $\frac{4}{6} = \frac{8}{a}$

34) $\frac{7}{5} = \frac{p}{7}$

35) $\frac{4}{7} = \frac{7}{x}$

36) $\frac{6}{n} = \frac{4}{7}$