Basic Math Homework #17

1) Change $\dfrac{458}{9900}$ into a decimal.

2) What are the whole numbers less than 6?

3) Simplify: $\dfrac{5}{686} + \dfrac{12}{441}$

4) In a classroom of 30 students, 18 are women. What is the ratio of men to women?

5) Change .0375 into a fraction.

6) Convert 60 MPH into feet per second

7) Solve: $\dfrac{12x}{15} = \dfrac{18}{20}$

8) Convert 1460 tons per year into ounces per second

9) Solve: $\dfrac{54}{48} = \dfrac{64}{81x}$

10) Convert 80 inches per second into miles per hour

11) Solve: $\dfrac{54}{48} = \dfrac{x}{36}$

12) Convert 6 feet 7 inches into feet.

13) Solve: $\dfrac{324}{504} = \dfrac{x}{336}$

14) If you mine 4 ounces of gold every 73 minutes, how many tons of gold per year do you mine?

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15) Solve: $\dfrac{1056}{108} = \dfrac{792}{81x}$

16) If you are riding a bicycle at a rate of 10 yards per second, how fast are you going in miles per hour?

17) Solve: $\dfrac{156}{104} = \dfrac{6x}{63}$

18) Convert 88,000 inches into miles.

19) Solve: $\dfrac{216}{342} = \dfrac{144}{204x}$

20) Convert 64,000 ounces into tons.