MAP102 Placement Exam Prep - Prealgebra

This set of questions will help you to prepare for the pre-algebra fundamentals not included on the lecture videos. Try them in the next few days then I will provide detailed explanations.

Remember you will be expected to solve these without a calculator!

1. If $2^x = 32,$ then $x =$

2. $6\dfrac{1}{4} - 2\dfrac{1}{2} =$

3. $\left(2\frac{1}{3}\right)\left(3\frac{1}{2}\right) =$

4. $4+3*6=$

5. $\dfrac{\left(\dfrac{4}{3}\right)}{\left(\dfrac{3}{4}\right)} =$

6. 35 is what percent of 50?

7. As a decimal, $\frac{1}{9} =$

8. A car travels due east at a constant speed of 30 miles per hour. How long will it take the car to go 75 miles?

9. $\sqrt{12} + \sqrt{27} =$

10. On January 1, 2000, one share of Acme Inc was worth $80. Today, one share of Acme Inc is worth 185% of what it was worth on January 1,2000. How much is one share of Acme Inc worth today?