ADVANCED COURSE 1 CHAPTER 1 PRACTICE TEST

Find the value of the expression.

1. $364 \div 14$	2 $43 \cdot 59$

Find the value of the power.

3. 5^3	4. 14^2

5. Write $17 \cdot 17 \cdot 17$ as a power.

Evaluate the expression.

6. $14 \div (8 - 6) + 5$	7. $\dfrac{5(12-5)+13}{6^2-4 \cdot 7}$
8. $5(7 - 2) - 4^2$	9. $2^4 + 2(10 - 4) - 3$

10. An electrician charges \$322 for 7 hours of work. How much does the electrician charge per hour? PUT ANSWER IN A SENTENCE.

Write the prime factorization of the number.

11. 96	12. 110

Find the GCF of the numbers.

13. 16, 28	14. 18, 60

Find the LCM of the numbers.

15. 9, 21	16. 24, 32

17. The point system below is used to rank teams in a hockey league. A team's record is 29 wins, 5 ties, and 22 losses. How many points does the team have?

Result	Points
Win	2
Tie	1
Loss	0

18. You are creating identical candy bags using 18 chocolate bars and 30 peanut butter cups. What is the greatest number of bags you can fill using all the candy? Find the GCF. PUT ANSWER IN A SENTENCE

19. You have violin lessons every 3rd day and singing lessons every 7th day. Today you have both lessons. In how many days will you have both lessons on the same day again. Find the LCM. PUT ANSWER IN A SENTENCE.