1.Give an example of a prime number and explain why it is a prime.

_____

2. Give an example of a square number _____

3. Draw all arrays for 12

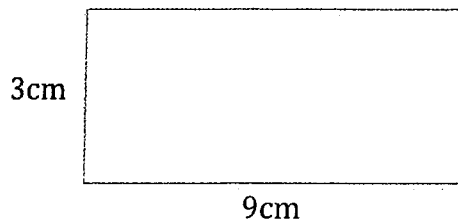4. List all the factors of 24 _____

5. Divisibility Rules: Look at the following chart and state whether the number can be divisible by 2, 5, or 10. Put a check or an X

Divisible by:	2	5	10
39			
121			
4210			
6105			
1056			
918			

6. Prime Numbers: Using the divisibility rules to help you, circle the #'s that are prime:

99 42 17 21 100 49 71 96 101 63

7. What is the area and perimeter of this rectangle?

3cm

9cm

8. Why is 321 divisible by 3 but not by 9?

1. How many factors do all prime numbers have? _____
2. Give an example of a prime number larger than 20 but less than 30 _____
3. Why is 16 called a square number? _____

4. List all the factors of 30 _____
5. Draw all arrays for 15

6. What factors do 15 and 30 have in common? _____
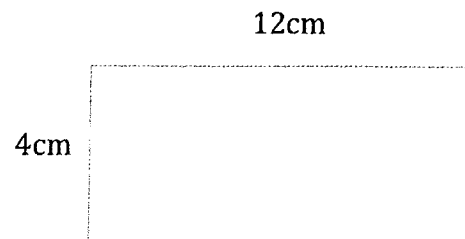
7. List the first three multiples of 5 _____

8. List the first three multiples of 60 _____

9. Divisibility Rules: Look at the following chart and state whether the number can be divisible by 2, 5, or 10. Put a check or an X

Divisible by:	2	3	5	10
930				
115				
42				
6105				
1156				
9180				

10. What is the area and perimeter of this rectangle?

12cm

4cm

Area = _____
Perimeter = _____

11. The Swim Teams BBQ is trying to make sure that they have enough buns for their hotdogs. Between 90 and 100 people are coming to the BBQ. Hotdog buns came in packages of 8 and hot dogs came in packages of 12. How many packages of buns and hotdogs should the team buy to make sure there is enough food for everyone planning to attend?