Week 5

Lesson 1

Factors come in pairs. A pair of factors are two numbers which equal a certain

Factors are numbers that will divide into a number evenly without a remainder.

		number when m	ultiplied.			
		12	1×12	2×6	3×4	
	2.	Factors are arra	anged in n	umerical o	rder.	
		12	1, 2, 3, 4	, 6, 12		
3. A common factor is a factor that					o or more numbers share.	0
		Number	Pairs	of Factors	Factors	Common Factors
		32	1×32	ļ	1, 2, 4, 8, 16, 32	
			2×16		76	
			4×8			1, 2, 4
		20	1×20)	1, 2, 4, 5, 10, 20	
			2×10)	(0)	
			4×5			
	4.	The greatest co	mmon fac	tor (gcf)	s the largest factor two or	more numbers share.
		Numbers		Factors	gcf	
		15		1, 3, 5,	_	
		25		1, 5, 25	5	
Wr	ite th	e pairs of factors	for each	number.		
1.						
2.	36					
3.	10				8	
4.	2				6	
Wr	ite th	e factors for eacl	h number.	Rememb	er they must be in nume	rical order.
5.	18				12	
6.						
7	7				0	10.000011000111001111111111111111111111

8. Factor to find the gcf.

Numbers	Pairs of Factors	Factors	Common Factors	gcf
22				
18				
4				
12				
35				
40		0		
28		1		
14		A,		
18		No.		
36		000		

Add or subtract the measures.

Convert the metric measures

10.
$$7 \text{ kL} = \underline{\hspace{1cm}} \text{hL}$$

$$28,000 g = ___ dg 45 dam = __ cg$$

Find the answers and check.

$$73,000 \\
-29,472$$

$$7,534 \\
+2,448$$

Lesson 2

Prime numbers have only two factors; 1 and the number itself.

- 2 is prime because its only factors are 1 and 2.
- 3 is prime because its only factors are 1 and 3.

Composite numbers have other factors besides 1 and the number.

4 is composite because its factors are 1, 2, and 4. 10 is composite because its factors are 1, 2, 5, and 10.

The prime numbers from 1 to 20 are: 2, 3, 5, 7, 11, 13, 17, and 19.

Find all of the prime numbers from 1 - 100 by using Eratosthenes Sieve.

- 1. Cross out 1 because it is neither prime nor composite.
- 2. Cross out all even numbers except 2.
- 3. Cross out all numbers with 3 as a factor except 3.
- 4. Cross out all numbers with 5 as a factor except 5.
- 5. Cross out all numbers with 7 as a factor except 7.
- 6. Circle all the remaining numbers. They are **prime numbers**.

								····	,
1	2	3	4	(5)	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Write the prime numbers from 1 - 20.

Write prime or composite beside each numbe

Write prime or composite beside each number.

- 8.
 56

 9.
 37

 10.
 11
 - 20 _____ 69 ____ 31

23	18
20	63

- 11. 45 ______ 12. 73
- 31 _____ 89 ____
- 44 ______ 12 ____

7.

13 Factor to find the gcf

Numbers	Pairs of Factors	Factors	Common Factors	gcf
28				
49				
16				
24				

Camana	41		
Convert	tne	measu	ires.

$$10 \text{ ft.} = ____ \text{in}$$

$$2 \text{ km} = \text{hn}$$

Round off the numbers.

14.	4 dag =	mg	10 ft. = in.	2 km = hm
	d off the nu		Nearest Ten Thousand	Nearest Hundred Thousand
15.	863,290		20/	
16.	139,571			
17.	478,999	5		

Solve the word problems.

- Jerrica spent 2 hours and 15 minutes working in the yard on Saturday, Rosie spent 1 hour 18. and 25 minutes, and Trina spent 3 hours and 35 minutes. How much time was spent in
- For a party we use two punch bowls. One bowl holds 2 gallons and 1 quart and the other 19. holds 3 gallons and 3 quarts of punch. How much punch is needed to fill both bowls?

Write the Arabic numerals.