

Prime Numbers: A number greater than 1 that has exactly 2 factors itself and 1

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

Divisible by 2: IF the last number is even (0, 2, 4, 6, 8)

Divisible by 3: IF the sum of the digits is divisible by 3

Divisible by 4: IF the last 2 digits are divisible by 4

Divisible by 5: IF the last digit is a 0 or 5

Divisible by 6: IF the number is divisible by both 2 and 3

Divisible by 9: IF the sum of the digits is divisible by 9

Divisible by 10: IF the number ends in a 0

Factor: A number that is multiplied by another number to get the product

Multiple: The product of any number and any nonzero who number is a multiple of that number

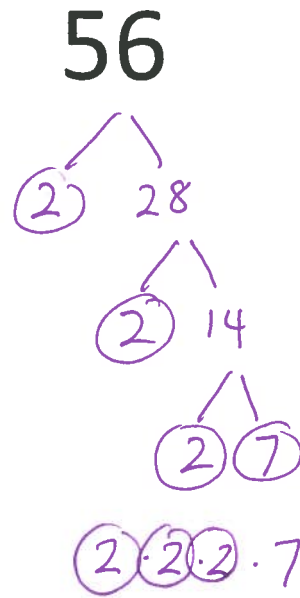
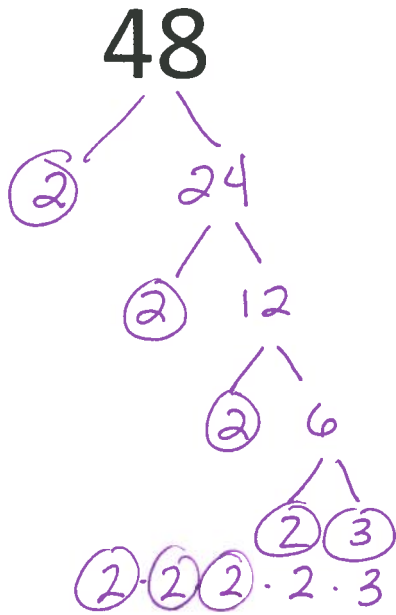
Common Factors: A number that is a factor of 2 or more numbers

Greatest Common Factor (GCF): The largest common factor of 2 or more given numbers

Least Common Multiple (LCM): The least number, other than zero, that is a multiple of 2 or more given numbers.

Factor Tree

2 is prime

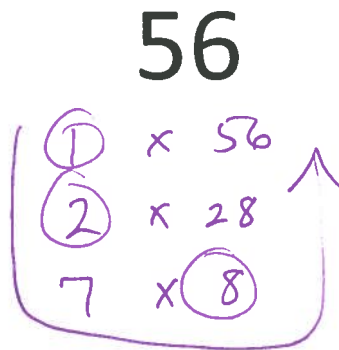
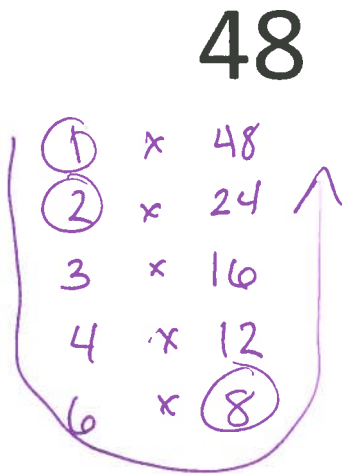


Common factors
are
 $2 \cdot 2 \cdot 2 = 8$
GCF = 8

LCM: N/A

GCF: 8

Listing common factors



Common factors
are

1, 2, 8

GCF = 8

LCM: N/A

GCF: 8

Name : _____

Score : _____

Teacher : _____

Date : _____

Find the Greatest Common Factor for each number pair.

1) 4 , 3 _____

2) 8 , 20 _____

3) 2 , 15 _____

4) 6 , 30 _____

5) 5 , 8 _____

6) 10 , 2 _____

7) 2 , 20 _____

8) 24 , 3 _____

9) 10 , 3 _____

10) 6 , 2 _____



Name : _____

Score : _____

Teacher : _____

Date : _____

Find the Least Common Multiple for each number pair.

1) 3 , 40 _____

2) 10 , 12 _____

3) 10 , 15 _____

4) 24 , 6 _____

5) 20 , 10 _____

6) 10 , 8 _____

7) 5 , 4 _____

8) 30 , 20 _____

9) 3 , 6 _____

10) 20 , 5 _____

