



Factor Investigation

FACTOR: a number that divides evenly into another number

PROPER FACTOR: all factors except the number itself

PERFECT NUMBER: the sum of all of its proper factors is equal to the number itself

DEFICIENT NUMBER: the sum of all of its proper factors is less than the number itself

PRIME NUMBER: only factors are one and itself

ABUNDANT NUMBER: the sum of all of its proper factors is greater than the number itself

NUMBER	FACTORS	SUM	CLASSIFICATION
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			

ANSWER KEY



Factor Investigation

FACTOR: a number that divides evenly into another number

PROPER FACTOR: all factors except the number itself

PERFECT NUMBER: the sum of all of its proper factors is equal to the number itself

DEFICIENT NUMBER: the sum of all of its proper factors is less than the number itself

PRIME NUMBER: only factors are one and itself

ABUNDANT NUMBER: the sum of all of its proper factors is greater than the number itself

NUMBER	FACTORS	SUM	CLASSIFICATION
1	1	1	Deficient
2	1,2	1	Prime
3	1,3	1	Prime
4	1,2,4	3	Deficient
5	1,5	1	Prime
6	1,2,3,6	6	Perfect
7	1,7	1	Prime
8	1,2,4,8	7	Deficient
9	1,3,9	4	Deficient
10	1,2,5,10	8	Deficient
11	1,11	1	Prime
12	1,2,3,4,6,12	16	Abundant
13	1,13	1	Prime
14	1,2,7,14	10	Deficient
15	1,3,5,15	8	Deficient
16	1,2,4,8,16	15	Deficient
17	1,17	1	Prime
18	1,2,3,6,9,18	21	Abundant
19	1,19	1	Prime
20	1,2,4,5,10,20	22	Abundant
21	1,3,7,21	11	Deficient
22	1,2,11,22	14	Deficient
23	1,23	1	Prime
24	1,2,3,4,6,8,12,24	36	Abundant
25	1,5,25	6	Deficient