

Name Jack Date _____

1. For each of the following, time yourself for 1 minute. See how many multiples you can write.

- a. Write the multiples of 5 starting from 100.

100, 105, 110, 115, 120, 125, 130, 135, 140, 145, 150, 155, 160,
165, 170, 175, 180, 185, 190, 195, 200, 205, 210

- b. Write the multiples of 4 starting from 20.

20, 24, 28, 32, 36, 40, 44, 48, 52, 56, 60, 64, 68, 72, 76, 80,
84, 88, 92, 96, 100, 104, 108, 112, 116, 120

- c. Write the multiples of 6 starting from 36.

36, 42, 48, 54, 60, 66, 72, 78, 84, 90, 96, 102, 108, 114, 120,
126, 132, 138, 144, 150, 156, 162, 168, 174, 180

2. List the numbers that have 24 as a multiple.

1, 2, 3, 4, 6, 8, 12, 24

3. Use mental math, division, or the associate property to solve. (Use scratch paper if you like.)

a. Is 12 a multiple of 4? yes Is 4 a factor of 12? yes

b. Is 42 a multiple of 8? no Is 8 a factor of 42? no

c. Is 84 a multiple of 6? yes Is 6 a factor of 84? yes

4. Can a prime number be a multiple of any other number except itself? Explain your reasons why.

Yes. A prime number is also a multiple of 1.
A prime number has two factors; itself and 1.

5. Follow the directions below.

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

- a. Circle in red the multiples of 2. When a number is a multiple of 2, what are the possible values for the ones digit?

2, 4, 6, 8, 0

- b. Shade, in green, the multiples of 3. Choose one. What do you notice about the sum of the digits?
Choose another. What do you notice about the sum of the digits?

The sum of the digits is also a multiple of 3.

- c. Circle, in blue, the multiples of 5. When a number is a multiple of 5, what are the possible values for the ones digit?

5 and 0

- d. Draw an x over the multiples of 10. What digit do all multiples of 10 have in common? What is the digit?

They all have a zero in the ones place.



