Prime & Composite Numbers Worksheets

1. Follow the directions.

   Shade the number 1 red.

   a. Circle the first unmarked number.

   b. Cross off every multiple of that number except the one you circled. If it's already crossed off, skip it.

   c. Repeat Steps (a) and (b) until every number is either circled or crossed off.

   d. Shade every crossed out number in orange.

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

Prime & Composite Numbers Worksheets

2. a. List the circled numbers.

    b. Why were the circled numbers not crossed off along the way?
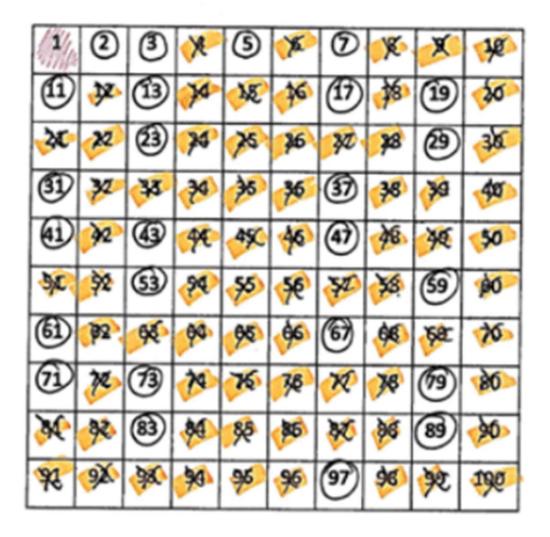
    c. Except for the number 1, what is similar about all of the numbers that were crossed off?

    d. What is similar about all of the numbers that were circled?

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Worksheets

2.

a. List the circled numbers.

2,3,5,7, 11, 13 ,17,19, 23,29,31,37, 41,43,47,53,59, 61, 67,71,73, 79,83,89,97

b. Why weren't the circled numbers crossed off along the way?

The circled numbers were not crossed off along the way because they are not multiples of any other numbers besides 1 and themselves.

c. Except for the number 1, what is similar about all of the numbers that were crossed off?

The crossed off numbers are all Composite numbers.

d. What is similar about all of the numbers that were circled?

The circled numbers are all prime numbers.