Prime numbers worksheet

Years 5 and 6. Find the prime numbers to 100 with the sieve of Eratosthenes, then sort numbers into prime and composite.

Name: _____ Date: _____

Part A. Cross out 1. Circle 2 and cross out its multiples, then do the same for 3, 5 and 7. Shade the numbers left.

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

Part B. Write P for prime or C for composite.

1. 13: P or C?
2. 21: P or C?
3. 29: P or C?
4. 39: P or C?
5. 41: P or C?
6. 51: P or C?
7. 57: P or C?
8. 61: P or C?
9. 87: P or C?
10. 91: P or C?
11. 97: P or C?
12. 2: P or C?

Answer key: Prime numbers

Answers to every question on page 1.

The 25 prime numbers up to 100 are shaded.

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

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1. 13: P or C? **P**
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10. 91: P or C? **C**
11. 97: P or C? **P**
12. 2: P or C? **P**