

Name : _____

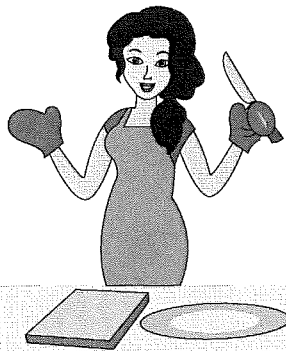
Answer Key

Score : _____

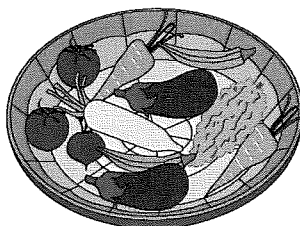
Sheet 2

Prime Number Maze

Help Nancy to find the vegetables by coloring all the prime numbers.



		26	52	18	65	94	40
58	83	64	81	44	27	76	12
77	61	8	36	92	16	51	25
35	47	29	31	53	71	2	90
98	14	56	70	28	49	37	62
80	39	42	63	99	15	59	24
22	78	89	41	19	97	13	50
54	91	5	69	4	33	45	72
66	10	73	21	57	46	88	6
		67					



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Answer Key

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Sheet 2

Prime or Composite Numbers

List out the factors of each number and write if the number is prime or composite.

1) 24

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

Is 24 a prime or composite? composite

2) 37

Factors are 1, 37

Is 37 a prime or composite? prime

3) 43

Factors are 1, 43

Is 43 a prime or composite? prime

4) 12

Factors are 1, 2, 3, 4, 6, 12

Is 12 a prime or composite? composite

5) 17

Factors are 1, 17

Is 17 a prime or composite? prime

6) 29

Factors are 1, 29

Is 29 a prime or composite? prime

7) 8

Factors are 1, 2, 4, 8

Is 8 a prime or composite? composite

8) 40

Factors are 1, 2, 4, 5, 8, 10, 20, 40

Is 40 a prime or composite? composite

9) 36

Factors are 1, 2, 3, 4, 6, 9, 12, 18, 36

Is 36 a prime or composite? composite

10) 3

Factors are 1, 3

Is 3 a prime or composite? prime

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List All of the Factors for each number.

1) 45 1, 3, 5, 9, 15, 45

2) 56 1, 2, 4, 7, 8, 14, 28, 56

3) 30 1, 2, 3, 5, 6, 10, 15, 30

4) 72 1, 2, 3, 4, 6, 8, 9, 12, 18, 24, 36, 72

5) 78 1, 2, 3, 6, 13, 26, 39, 78

6) 25 1, 5, 25

7) 39 1, 3, 13, 39

8) 14 1, 2, 7, 14

9) 18 1, 2, 3, 6, 9, 18

10) 28 1, 2, 4, 7, 14, 28

11) 54 1, 2, 3, 6, 9, 18, 27, 54

12) 44 1, 2, 4, 11, 22, 44

13) 68 1, 2, 4, 17, 34, 68

14) 49 1, 7, 49

15) 70 1, 2, 5, 7, 10, 14, 35, 70



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List All of the Prime Factors for each number.

1) 78 2 , 3 , 13

2) 30 2 , 3 , 5

3) 68 2 , 17

4) 49 7

5) 39 3 , 13

6) 44 2 , 11

7) 70 2 , 5 , 7

8) 25 5

9) 26 2 , 13

10) 55 5 , 11

11) 36 2 , 3

12) 12 2 , 3

13) 38 2 , 19

14) 22 2 , 11

15) 42 2 , 3 , 7



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List the Prime Factorization for Each Number.

1) 63 = 3 x 3 x 7

2) 32 = 2 x 2 x 2 x 2 x 2

3) 75 = 3 x 5 x 5

4) 45 = 3 x 3 x 5

5) 58 = 2 x 29

6) 21 = 3 x 7

7) 55 = 5 x 11

8) 16 = 2 x 2 x 2 x 2

9) 62 = 2 x 31

10) 74 = 2 x 37

11) 51 = 3 x 17

12) 54 = 2 x 3 x 3 x 3

13) 76 = 2 x 2 x 19

14) 40 = 2 x 2 x 2 x 5

15) 44 = 2 x 2 x 11