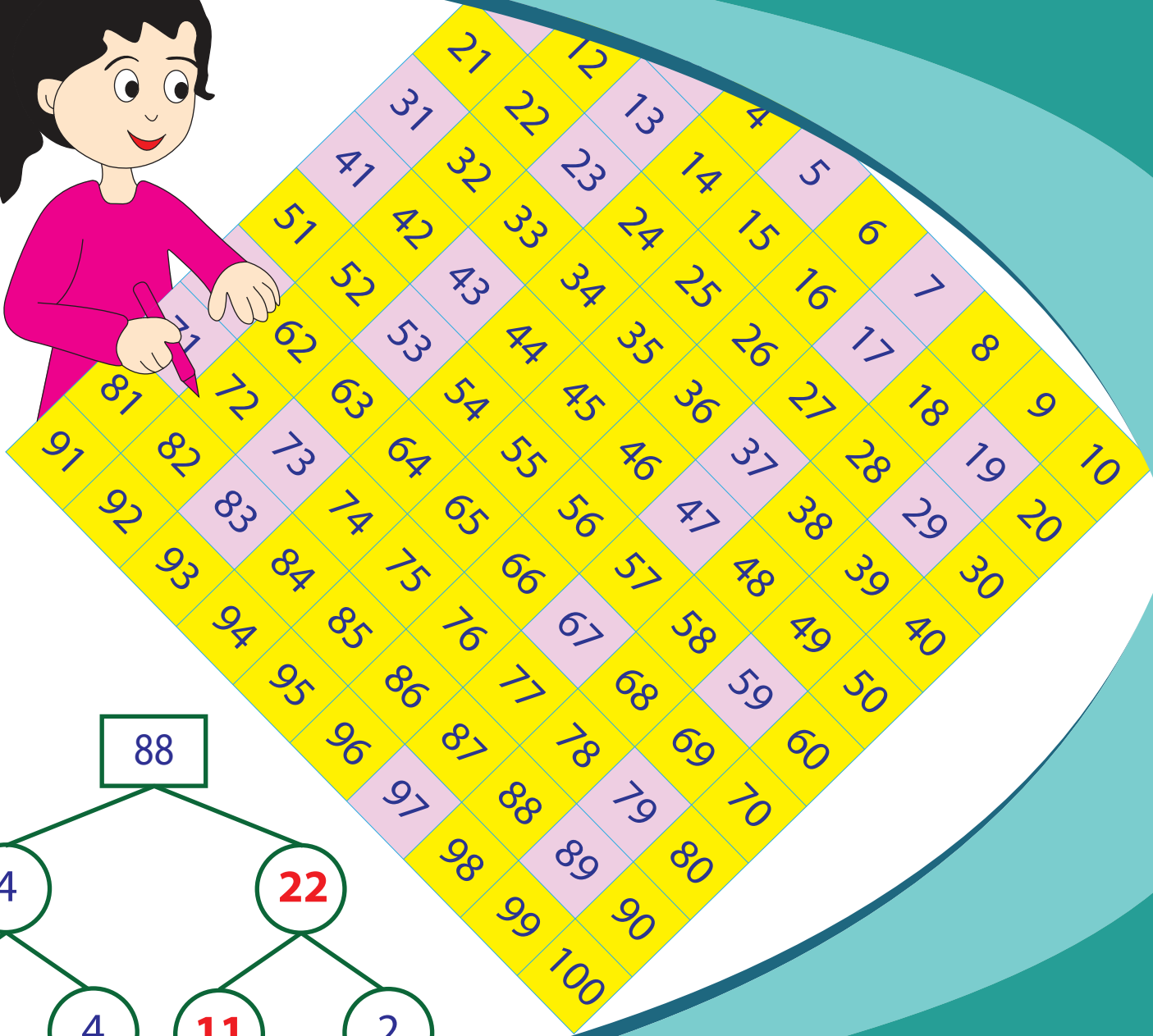


4th Grade

Factors



Workbook 1

Listing the factors

Easy

List out all the possible factors for each number.

1) 24

2) 35

3) 9

4) 42

5) 50

6) 19

7) 12

8) 28

9) 7

10) 16

11) 18

12) 45

Listing the factors

Moderate

List out all possible factors for each number.

1) 88

2) 42

3) 64

4) 55

5) 100

6) 6

7) 76

8) 82

9) 60

10) 96

Factors: Product Strategy

Easy

Complete the product strategy to find the factors of each number.

1) 36

$$\square \times 36 = 36$$

$$2 \times \square = 36$$

$$\square \times 12 = 36$$

$$4 \times \square = 36$$

$$\square \times 6 = 36$$

The factors of 36 are _____

2) 12

$$1 \times \square = 12$$

$$\square \times 6 = 12$$

$$3 \times \square = 12$$

The factors of 12 are _____

3) 28

$$1 \times \square = 28$$

$$2 \times \square = 28$$

$$\square \times 7 = 28$$

The factors of 28 are _____

4) 45

$$\square \times 45 = 45$$

$$\square \times 15 = 45$$

$$5 \times \square = 45$$

The factors of 45 are _____

5) Write your own product strategy to find the factors of 50.

The factors of 50 are _____

Factors: Product Strategy

Moderate

Complete the product strategy to find the factors of each number.

1) 60

$$\square \times 60 = 60$$

$$2 \times \square = 60$$

$$3 \times \square = 60$$

$$\square \times 15 = 60$$

$$\square \times 12 = 60$$

$$6 \times \square = 60$$

The factors of 60 are _____

2) 78

$$1 \times \square = 78$$

$$\square \times 39 = 78$$

$$3 \times \square = 78$$

$$\square \times 13 = 78$$

The factors of 78 are _____

3) 56

$$1 \times \square = 56$$

$$\square \times 28 = 56$$

$$\square \times 14 = 56$$

$$7 \times \square = 56$$

The factors of 56 are _____

4) 92

$$\square \times 92 = 92$$

$$\square \times 46 = 92$$

$$4 \times \square = 92$$

The factors of 92 are _____

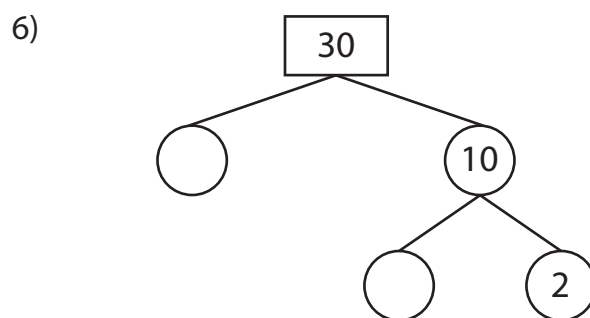
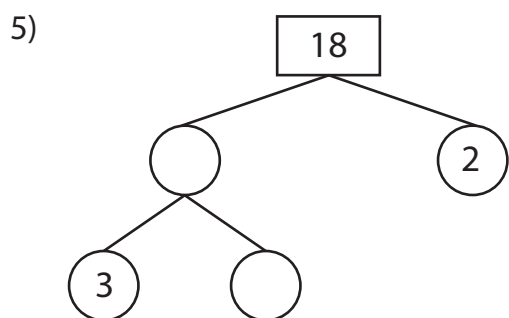
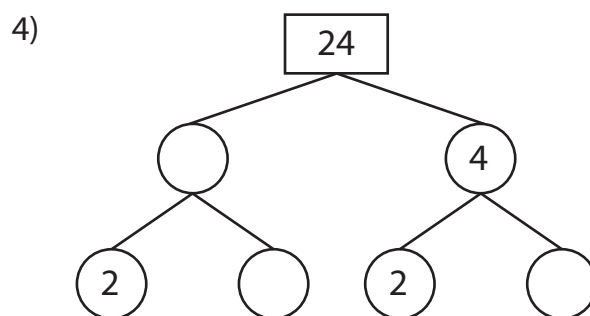
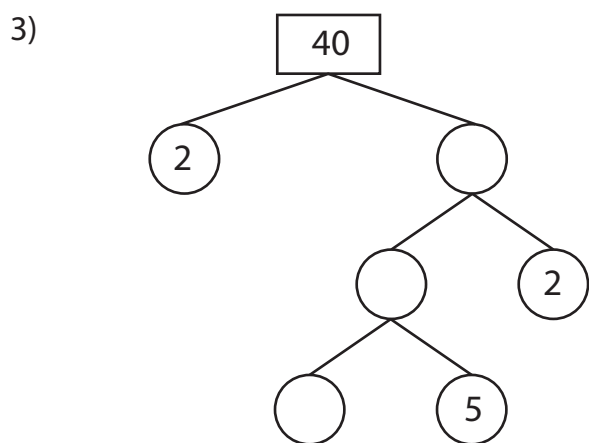
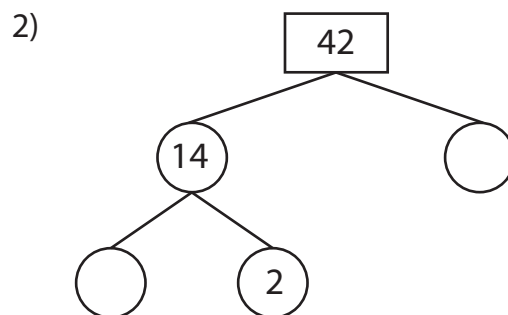
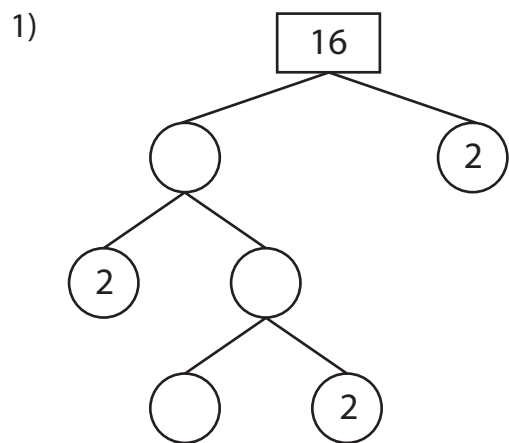
5) Write your own product strategy to find the factors of 84.

The factors of 84 are _____

Prime Factor Tree

Easy

Complete the prime factor tree for each number.



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Identify: Prime or Composite

A) Circle all the Prime numbers.

13 54 37 96 89 45 61

29 2 10 69 36 53 47

41 79 72 5 97 27 84

B) Circle all the Composite numbers.

73 92 79 7 21 80 17

8 97 15 83 19 62 51

11 4 23 32 67 3 49

C) Multiple choice questions.

1) Choose the greatest prime number.

a) 74 b) 23 c) 69 d) 31

2) Choose the smallest composite number.

a) 12 b) 59 c) 8 d) 43

Prime or Composite Numbers

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

1) 47

Factors are _____

Is 47 a prime or composite? _____

2) 6

Factors are _____

Is 6 a prime or composite? _____

3) 30

Factors are _____

Is 30 a prime or composite? _____

4) 23

Factors are _____

Is 23 a prime or composite? _____

5) 5

Factors are _____

Is 5 a prime or composite? _____

6) 18

Factors are _____

Is 18 a prime or composite? _____

7) 27

Factors are _____

Is 27 a prime or composite? _____

8) 41

Factors are _____

Is 41 a prime or composite? _____

9) 19

Factors are _____

Is 19 a prime or composite? _____

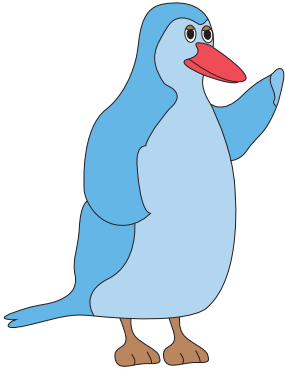
10) 34

Factors are _____

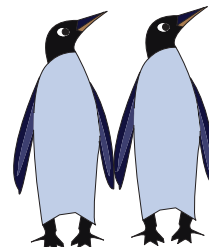
Is 34 a prime or composite? _____

Prime Number Maze

Help the Penguin to find the nestlings by coloring all the prime numbers.



		19	47	34	93	62	75
9	15	94	23	21	68	49	86
35	54	63	5	76	85	10	38
96	22	84	31	53	29	92	64
77	46	99	18	4	41	50	27
24	36	57	45	66	73	3	48
91	12	80	8	74	98	67	59
69	44	6	39	65	16	55	17
32	87	78	14	20	33	42	61
							83



Composite Number Maze

Help David to find the basketball court by coloring all the composite numbers.



		53	97	13	5	47	61
27	11	37	44	72	95	33	89
12	43	79	57	61	29	86	3
96	19	2	8	59	47	25	31
74	18	49	63	83	37	50	23
41	89	53	31	29	13	76	7
17	23	71	5	67	97	48	59
79	47	66	25	81	32	94	11
3	19	51	73	43	61	29	97

4



MCQ - Prime or Composite

- 1) Which of the following is not a prime number?
a) 13 b) 97 c) 27 d) 61

- 2) Which of the following is an odd composite number?
a) 71 b) 55 c) 83 d) 37

- 3) Which of the following number has only two factors?
a) 7 b) 10 c) 42 d) 15

- 4) Which of the following is an even prime number?
a) 12 b) 3 c) 6 d) 2

- 5) Which of the following is a composite number?
a) 17 b) 15 c) 19 d) 11

- 6) Which of the following number has more than two factors?
a) 59 b) 23 c) 67 d) 49

- 7) Which of the following is not a composite number?
a) 83 b) 81 c) 85 d) 87

- 8) Which of the following is a prime number?
a) 39 b) 66 c) 47 d) 51