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# Prime and Composite Numbers Worksheet-2

1) Circle all the prime numbers in the following chart:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | 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 |

2) Classify the given numbers into prime and composite:
3, 7, 9, 12, 19

| Prime Numbers | Composite Numbers |
|---|---|
| | |

3) Make a list of all the composite numbers from 50 to 70.

4) Fill in the blanks:
   a) The smallest prime number is ____.
   b) ___ is the prime number nearest to 90.

5) Express 300 as the sum of two prime numbers (either same or unique).

6) In a month of 30 days, which dates are prime numbers and which are composite numbers excluding 1?

7) List all the factors of 23 and conclude whether it is prime or composite.

8) Solve the following riddle.
   I am a number between 50 and 100. My ones digit is two less than my tens digit. I am a prime number. What number am I?

9) State whether True or False:
   Numbers that are co-primes will necessarily be prime too.

10) In a particular art class, there are a total of 7 students. Can the teacher make groups of students so that every group will have the same number of students? If No, why?
    [Hint: Groups here mean that the minimum number of students in each group should be 2]

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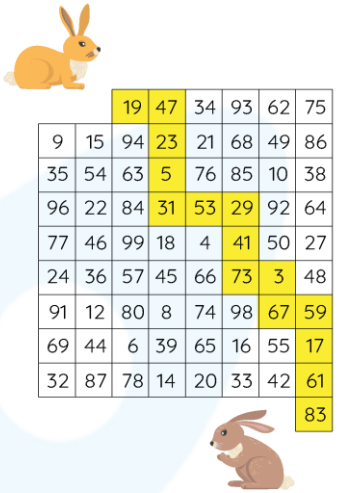
# ANSWERS

| | |
|---|---|
| 1) |  |
| 2) | Prime numbers- 3, 7, 19<br>Composite numbers - 9, 12 |
| 3) | 50, 51, 52, 54, 55, 56, 57, 58, 60, 62, 63, 64, 65, 66, 68, 69, 70 |
| 4) | 2, 89 |
| 5) | 211 + 89 |
| 6) | Dates that are prime numbers- 2, 3, 5, 7, 11, 13, 17, 19, 23, 29<br>Dates that are composite numbers- 4, 6, 8, 9, 10, 12, 14, 15, 16, 18, 20, 21, 22, 24, 25, 26, 27, 28, 30 |
| 7) | 1 and 23, 23 is a prime number |
| 8) | 53 |
| 9) | False |
| 10) | No, groups cannot be formed as 7 is a prime number. |

## FUN FACT

1. No prime number greater than 5 ends with 5.

2. Prime numbers having a difference of two are called twin prime numbers.

3. 0 and 1 are neither prime nor composite numbers.