Playing With Numbers : Factors and Multiples

WorkSheet - 2

A. Find solutions to these short-answer type questions.

1. Write a two-digit prime number whose tens digit is 7 and ones digit is a prime number.

2. Write a two-digit prime number, the sum of whose digits is a prime number just greater

than 13.

3. For a two-digit number to be prime, what may be the possible digits in the units place?

Give example to support your answer.

4. Find the numbers from 1 to 100 which have exactly three factors.
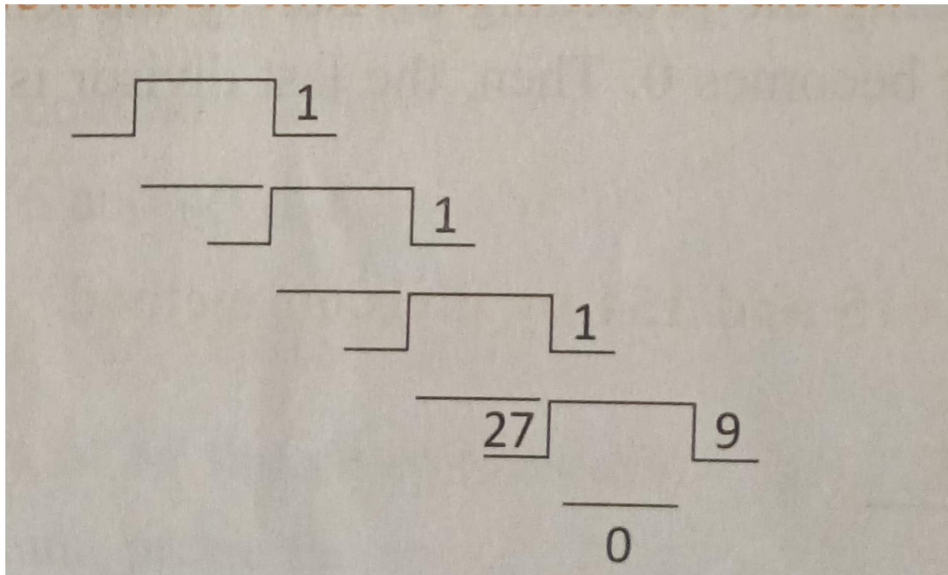
5. Write all three-digit numbers using the digits 2, 3 and 4 and answer the following.

i. Which all numbers are divisible by 3?

ii. Which all numbers are divisible by 6?

iii. Which all numbers are divisible by 9?

6. Find the two numbers whose HCF is the last divisor.

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B. Find solutions to these long-answer type questions.

1. What is the least number which when decreased by 9 is divisible by each of the numbers   72, 96 and 160?

2. Find the largest number that will divide 399, 440 and 550 leaving remainders 8, 15 and 23, respectively.