

**The Primary Stage of Grades (4-5)**  
**School Year 2022 - 2023**

Name: **Answer Key**

Date: / / 2022

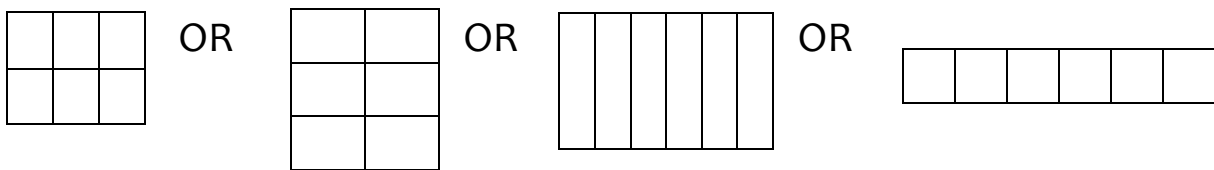
Subject: Mathematics

Class: 4CP (C,D,E,F&G)

**Worksheet (5)**

**Objective/s:** Be able to recognize prime numbers.

1) To make a total of 6 boxes (what numbers you multiply together to get 6)



3x2      OR      2x3      OR      6x1      OR      1x6

So 6 has **Four** factors (1,2,3,6)

2) To make a total of 5 boxes. Draw the boxes below (what numbers you multiply together to get 5)

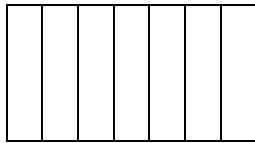


5x1      OR      1x5

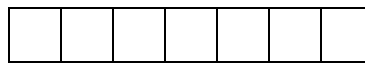
So 5 has 2 factors ( 1,5 )

4) To make a total of 7 boxes. Draw the boxes below (what numbers you multiply together to get 7)

7x1

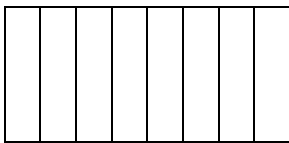


1x7

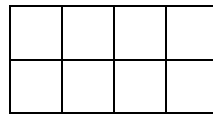


So 7 has 2 factors ( 1, 7 )

5) To make a total of 8 boxes. Draw the boxes below (what numbers you multiply together to get 8)



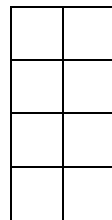
1x8



4x2



8x1

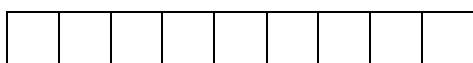


2x4

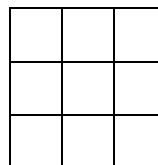
So 8 has 4 factors ( 1, 2, 4, 8 )

To make a total of 9 boxes (what numbers you multiply together to get 9)

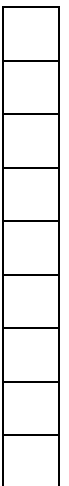
1x9



3x3

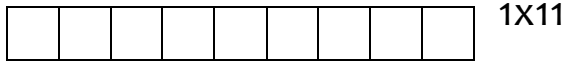


9x1



So 9 has 3 factors ( 1, 3, 9 )

6) To make a total of 11 boxes (what numbers you multiply together to get 11)



Or 11x1



So 11 has 2 factors ( 1, 11 )

List the numbers that have **TWO factors Only** 5,7,11

These factors are 1 and the **number itself**.

These numbers are called **Prime** Numbers.

Composite numbers are: **whole numbers that can be divided by other numbers other than one and themselves. (Has more than 2 factors)**

7) Circle the prime numbers and underline composite numbers below:

3      6      10      2      14      11  
21      5      22      23      30  
42      29      41      50      28      46  
52      47      53      54      60

Prime numbers are the numbers that **have Only two factors One AND the NUMBER ITSELF.**

8) Can A square number be a prime number? Explain.

**NO , because odd square numbers have 3 factors and even square numbers have more than 3.**

9) Use prime numbers between 1 and 20 to find the following:

List all Prime numbers between 1 and 20.

**2,3,5,7,11,13,17,19**

a) Two prime numbers that have a total of 24 are

**19 and 5      OR   17 and 7      OR   13 and 11**

$$19+5=24$$

$$17+7=24$$

$$13+11=24$$

b) The difference between Two prime numbers is 8, the two prime numbers are

**13 and 5      OR      11 and 3      OR   19 and 11**

$$13-5=8$$

$$11-3=8$$

$$19-11=8$$

c) The product of two prime numbers is 22. the two prime numbers are

**11 and 2**

$$11 \times 2 = 22$$