

Quiz III (4A Mathematics)

Name :

Date :

Class :

Mark :

Time limit :

15 minutes

(Syllabus: Exercise 10 – 12)

I. Write down all factors of the given numbers and determine whether it is a prime number or a composite number. (6 marks)

1. All factors of 16: _____

Therefore, 16 is a _____ number.

2. All factors of 37: _____

Therefore, 37 is a _____ number.

3. All factors of 45: _____

Therefore, 45 is a _____ number.

II. Find the highest common factor and the least common multiple of the following pairs of numbers using short division. (6 marks)

1. 12 and 30

12	30
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The highest common factor:

The least common multiple:

2. 60 and 90

60	90
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The highest common factor:

The least common multiple:

III. Answer the following questions. (10 marks)

1. Which of the following is/are multiple(s) of 16? (Circle the answer(s))

2

4

8

16

24

32

2. List all factors of 8.

Answer: _____

3. How many multiples of 22 are there within 100?

Answer: _____

4. The sum of all composite numbers within 10 is _____.

5. The first common multiple of 25 and 40 is 200. Their 3rd common multiple is _____.

6. There are _____ common factors of 18 and 24.

7. The greatest prime number within 50 is _____.

8. P is the highest common factor of 28 and 42. How many factors of P are there?

Answer: _____

9. When candies in a bag is counted in groups of 6 or 9, there is no candy left. This bag of candies contains at least _____ candies.

10. At least how many factors does a composite number have?

Answer: _____