

MATHEMATICS

CLASS V

TIME: 2 HRS

MARKS: 80

I. Fill in the blanks

(10)

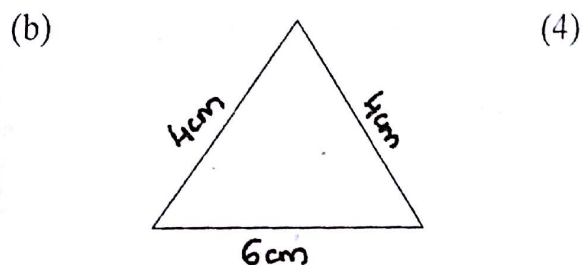
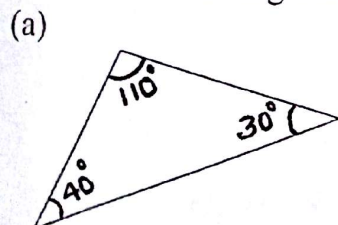
- (1) A number having exactly two factors is called a \_\_\_\_\_.
- (2) The reciprocal of 8 is \_\_\_\_\_.
- (3) A triangle whose all sides are unequal is \_\_\_\_\_.
- (4) The standard unit of capacity is \_\_\_\_\_.
- (5) Perimeter of a square of side 5cm is \_\_\_\_\_.
- (6) A natural number which is a factor of every number is \_\_\_\_\_.
- (7) Fractions which have the same denominator are called \_\_\_\_\_.
- (8) The sum of all the three angles of a triangle is \_\_\_\_\_.
- (9)  $\frac{1}{3} = \frac{5}{\square}$
- (10) 70 dam = \_\_\_\_\_ m

Answer the following with necessary steps:

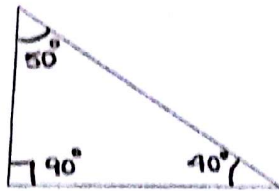
- II. (1) Find the prime factors of 168. (3)
- (2) Find the perimeter of a rectangle whose length and breadth are 150cm and 135cm respectively. (3)
- (3) Simplify
- (a)  $\frac{5}{8} - \frac{7}{12}$
- (b)  $\frac{4}{9} \div 6$  (4)

- III. (1) If the area of rectangular plot is 180sq. m and its length is 15m, find its breadth. (3)
- (2) Find the LCM of 36, 40. (3)
- (3) Convert as directed.
- (a) 12kg = \_\_\_\_\_ g
- (b) 920cm = \_\_\_\_\_ m
- (c) 83hl = \_\_\_\_\_ l
- (d) 15km = \_\_\_\_\_ m (4)

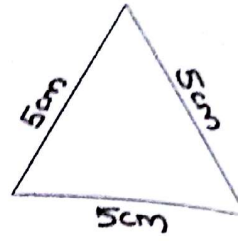
- IV. (1) Write all odd numbers between 50 and 65. (3)
- (2) Which of the numbers are divisible by 3
- (a) 7341 (b) 59031 (c) 1234 (3)
- (3) Name the following triangles.



(c)



(d)



V. (1) Add  $1\frac{2}{3} + 2\frac{4}{15}$

(2) Reduce the fraction into the lowest terms  $\frac{36}{54}$ .

(3) (a) Write four equivalent fractions of  $\frac{4}{7}$ .

(b) Convert the improper fractions into mixed fractions: (i)  $\frac{23}{5}$  (ii)  $\frac{38}{7}$

VI. (1) Find the HCF of 64, 104.

(2) Using decimal notation express in km.

(a) 9km 2hm 2dam 1m

(b) 60km 5dam 4m

(c) 1km 9dam

(3) Adon is preparing a final exam. He study  $1\frac{1}{2}$  hourson Thursday,  $2\frac{2}{3}$  hours on Friday and  $1\frac{3}{4}$  hours on Saturday. How many hours he studied over the weekend?

VII. (1) Find the perimeter of a triangle whose sides are 72cm, 85cm and 108cm.

(2) Pick out the proper fractions:  $\frac{8}{27}, \frac{32}{9}, \frac{1}{10}, \frac{5}{8}, \frac{3}{2}$

(3) Simplify:

(a)  $\frac{2}{3} \times \frac{9}{16}$

(b)  $\frac{7}{8} \div \frac{5}{6}$

VIII. (1) Write all factors of 42.

(2) Simplify  $7\frac{2}{5} - 5\frac{3}{10}$

(3) Arrange in descending order:

(a)  $\frac{5}{11}, \frac{3}{11}, \frac{9}{11}, \frac{7}{11}$

(b)  $\frac{3}{8}, \frac{1}{2}, \frac{3}{4}, \frac{1}{4}$

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