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1^{\text {st }} \text { Unit Test - } 2014
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Subject: Mathematics

## Class 6

M.M. - 20

Answer all the questions on the answer sheet only.
Q1. Fill in the blanks -

1) Write the prime factorization of $40=$ $\qquad$
2) HCF of 18 and $90=$ $\qquad$
3) HCF of 19 and $25=$ $\qquad$
4) LCM of 13 and $91=$ $\qquad$
5) How many lines can be drawn through 2 given points = $\qquad$
6) A figure where initial point and end point coincide is called a $\qquad$ figure.
7) If a number is divided by its factor, the remainder is $\qquad$ .
8) A ray has $\qquad$ length.
(1/2 marks $\times 8=4$ marks)
Q2. Find the LCM by division method -
36, 60 and 48
(2 marks)
Q3. Find the HCF of the following numbers by long division method -
624, 936 and 264
(2 marks)

Q4. Find the HCF by prime factorization method -
42, 63 and 105
(2 marks)
Q5. Simplify the following -
a) $75 \div[20-\{42 \div 6-(20-3$ of 6$)\}]$
b) $(3 \times 4-8)+(44 \div 11+6)$
( 2 marks $\times 2=4$ marks )
Q6. The HCF of 2 numbers is 54 and their LCM is 3888 . If one of the numbers is 432 , find the other number.
(2 marks)
Q7
(a). Draw a line segment of 4.5 cm using a compass and ruler.
(b). Draw a pentagon and name it.

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\text { (1+1 = } 2 \text { marks })
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Q8. Study the figure given below and answer the questions asked.

a) Name the 2 rays.
b) Name 2 line segments

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\text { (1 + } 1 \text { = } 2 \text { marks) }
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