Subject: Mathematics   **Class: IV**

Choose the correct answer:

Q1.   The greatest factor of a number is

   a)   Number itself   b)   one   c)   zero

Q2.   5th Multiple of 7 is

   a)   75   b)   35   c)   70

Q3.   The prime numbers that have a difference of 2 between them are

   a)   co-prime   b)   composite   c)   twin-prime

Q4.   The lowest term of $\dfrac{36}{42}$ is

   a) $\dfrac{18}{21}$ b) $\dfrac{6}{7}$ c) $\dfrac{12}{24}$

Q5. $\dfrac{12}{16} = \dfrac{\square}{4}$

   a)   3   b)   4   c)   5

Q6.   The common point at which the lines intersect is called

   a)   Cutting point   b)   point of intersection   c)   centre point

Q7.   A polygon with 8 sides is

   a)   Octagon   b)   Pentagon   c)   Hexagon

Q8.   A triangle has _____ vertices

   a)   1   b)   2   c)   3

Q9.   Arrange $\dfrac{13}{11}, \dfrac{13}{4}, \dfrac{13}{3}, \dfrac{13}{7}$ in descending order:

   a) $\dfrac{13}{11} > \dfrac{13}{7} > \dfrac{13}{3} > \dfrac{13}{4}$ b) $\dfrac{13}{7} > \dfrac{13}{11} > \dfrac{13}{4} > \dfrac{13}{3}$ c) $\dfrac{13}{3} > \dfrac{13}{4} > \dfrac{13}{7} > \dfrac{13}{11}$

Q10.   Every number divisible by 10 is also divisible by

   a)   2 and 3   b)   2 and 5   c)   3 and 4

Q11.   Find all the factors of 35.

Q12.   Write next four equivalent fractions of $\dfrac{2}{3}$.

Q13.   Change into mixed fractions:

   a) $\dfrac{62}{15}$ b) $\dfrac{71}{7}$

Q14. Reduce the fraction to the simplest form/lowest term:

a) $\dfrac{35}{40}$ b) $\dfrac{24}{72}$

Q15. Find the diameter of a circle whose radius is 6cm.

Q16. Diameter of a circle is 28cm. Find its radius.

Q17. Write all the common factors of 12 and 36.

Q18. Find first four common multiples of 6 and 9.

Q19. Add $2\dfrac{1}{8}$ and $3\dfrac{1}{4}$.

Q20. Subract $2\dfrac{3}{2} - \dfrac{1}{4}$.

Q21. Find LCM of 36 and 48.

Q22. Draw a line segment of 6.5cm and name it.

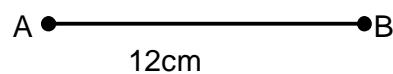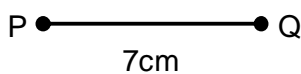**Q23.** Draw a factor tree of 72.

Q24. Raj bought $2\dfrac{1}{5}$kg potatoes, $\dfrac{2}{5}$ kg tomatoes and $1\dfrac{3}{5}$kg peas. How much weight did he carry home?

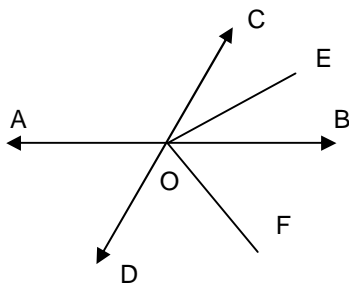**Q25.** The HCF and LCM of two numbers is 12 and 72. If one of the number is 36. Find the other number.

Q26. The HCF of two numbers is 25 and their LCM is 75. Find the product of two numbers.

Q27. A piece of rope was $2\dfrac{1}{2}$m long. If $1\dfrac{2}{3}$m was cut from it, then what was the length of the remaining rope.

Q28. Which line segment is greater and by how much?

P •———————• Q
  7cm

A •———————————• B
  12cm

Q29. Identify lines, line segments and rays

Q30. Draw a circle with centre O. Draw a radius OR and Diameter AB in it.

Q31. Find LCM and HCF OF 12, 24 and 120.

Q32. Check divisibility of 6480 by 3 and 5.

Q33. Find LCM of 32 and 40 by using prime factorization method.