FIRST TERM MODEL QUESTION PAPER 2024 WITH ANSWER KEY SET 1
MATHS - Standard V
Time: 2 hours
(Prepared by www.educationobserver.com)

Activity 1

(a) Draw a square with each side measuring 5 cm.
(b) Measure the diagonals of the square. Are they equal in length? What do you observe?
(c) If you tilt one side slightly, does it remain a square? Explain why or why not.

Activity 2

(a) Draw two circles with radii of 3 cm and 5 cm, respectively, with the same center.
(b) What is the distance between the centers of these two circles?
(c) Shade the area between the two circles. What shape does this area resemble?

Activity 3

(a) Write the number 1,234,567 in words.
(b) Find the difference between the smallest 7-digit number and the largest 6-digit number.
(c) If you add one to the largest 7-digit number, what new number do you get?

Activity 4

(a) Calculate the product of 16 × 14 using the method of breaking the numbers into tens and units (e.g., 16 = 10 + 6).
(b) Multiply 12 × 15 using a grid method or area model.
(c) Without actual multiplication, determine which product is larger: 14 × 11 or 15 × 10? Justify your answer.

Activity 5

(a) Divide 90 by 7. What is the quotient and the remainder?
(b) How would the remainder change if you divided 90 by 8 instead?
(c) If you have 100 chocolates and you want to distribute them equally among 9 friends, how many chocolates does each friend get, and how many are left?

Activity 6

(a) Write down the first five even square numbers.
(b) Calculate the square of 121. Does it follow a pattern similar to smaller squares?
(c) How many odd numbers need to be added together to obtain the square number 81?

Activity 7

(a) A farmer has 240 apples and wants to pack them equally into 8 boxes. How many apples will be in each box?
(b) If he sells 4 of these boxes, how many apples does he still have?

(c) If the farmer decides to equally share the remaining apples with his family of 6, how many apples does each family member get?

Activity 8

(a) Write the number 987 as a multiple of 7 and find the remainder.
(b) Explain how you can estimate the remainder when dividing 1234 by 9 without performing full division.
(c) Create a pattern using the number 54321, divide by 8, and find the remainder.