A. Complete the patterns.

1. 90, 180, 270, _____, _____, _____, _____
2. 3, 9, 15, _____, _____, _____, _____
3. 256, 64, 16, _____, _____
4. 576, 288, 144, _____, _____, _____
5. A1000z, B1200y, C1400x, _____, _____, _____
6. 9972, 9963, 9954, _____, _____, _____, _____
7. 7000, 6500, 6000, _____, _____, _____
8. 600A, 1200B, 1800C, _____, _____, _____
9. 2, 8, 32, _____, _____, _____
10. 3, 15, 75, _____, _____

B. Tick the numbers that are multiples of 9.

939	432	945	919	465
1008	693	765	237	802
279	990	522	630	819

C. Find the quotient and remainder without actually dividing.

1. 453 ÷ 10 Quotient = _____ Remainder = _____
2. 596 ÷ 10 Quotient = _____ Remainder = _____
3. 234 ÷ 100 Quotient = _____ Remainder = _____
4. 756 ÷ 100 Quotient = _____ Remainder = _____
5. 1657 ÷ 100 Quotient = _____ Remainder = _____
6. 2000 ÷ 100 Quotient = _____ Remainder = _____

D. Solve.

1. There were 3580 beads in a box. Gopi made 35 necklaces of 100 beads each using the beads from the box. How many beads remained unused? Do the sum mentally and write the answer in the blank.

_____

2. A shopkeeper packs 2450 g of mustard seeds into small packets of 100 g each. How many 100 g packets of mustard seeds will he have? Will there any packet with less than 100 g of mustard seeds? If yes, what quantity of mustard seeds will this packet have?

3. If you pay ₹300 for 10 packets of pencils each packet costing ₹26, what amount should the shopkeeper return to you?

4. 850 candles are to be packed in packets of 10 each. But 52 candles are found to be broken. How many candles can be packed and how many packets will be there?

E. Choose the correct answers.

1. Tanuja used multiplication and addition to make the number pattern: 3, 10, 31, 94. Which of these rules could she have used for the pattern?

   a. Add 5, then multiply by 2.
   b. Multiply by 4, then add 1.
   c. Add 3, then multiply by 2.
   d. Multiply by 3, then add 1.

2. In the pattern, 64, 32, 16, 8, 4, each of the numbers other than 64 are the _____

   a. products of their previous number and 2
   b. quotients got by dividing the previous number by 2
   c. remainders got by dividing the previous number by 2
   d. products of the previous number and 3