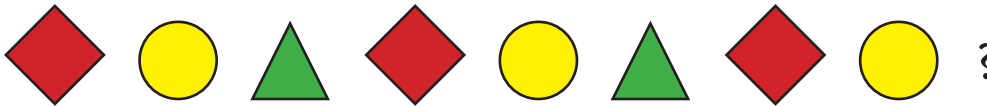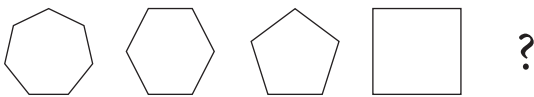# Patterns

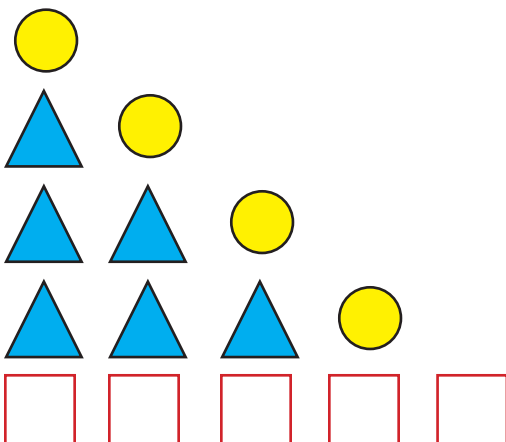**Q1.** Choose the figure that should come next:

a.

b.

c.
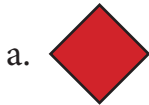
Q2. Complete the pattern by drawing the figure that should come next.

Q3. Fill in the blanks to complete the alphabet series:

A, BB, CCC, _____, _____, _____

Q4. Observe the pattern carefully. Fill in the boxes with the correct shapes. Colour the shapes according to the pattern.

1

Q5. Observe the following number patterns and fill in the number that should come next in sequence:

a. 10, 16, 22, 28, _____

b. 11, 22, 33, 44, _____

c. 2, 3, 5, 8, 12, _____

Q6. Observe the given pattern and complete the remaining:

1 + 11 = 12

2 + 22 = 24

3 + 33 = 36

4 + 44 = _____

5 + 55 = _____

6 + 66 = _____

Q7. Complete the following multiplication pattern:

2 × 8 =16

20 × 8 = 160

200 × 8 = 1600

_____ × _____ = _____

_____ × _____ = _____

Q8. Draw the figure and fill in the number which will come next in sequence:

(1)   (2)(2)   (3)(3)(3)   [   ]

Q9. The following table shows the perimeter of a regular polygon having each side 5 cm long. Complete the missing entries in the table by finding the pattern.

Number of sides of the polygon	Perimeter of the polygon
3	15
4	20
5	25
6	_____
7	_____
8	_____

Q10. Observe the following circles. Find the pattern and draw the figure that should come next.
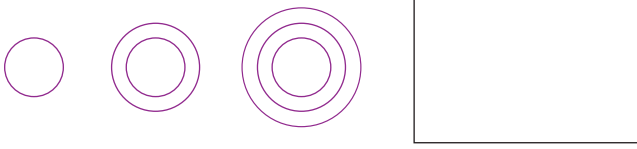
Q11. Complete the following division pattern:

$20000 \div 1 = 20000$

$20000 \div 10 = 2000$

$20000 \div 100 = 200$

_____ $\div$ ____ = ____

_____ $\div$ ____ = ____

Q12. Find the pattern and fill in the blanks:

$2 \times 5 = 10$

$4 \times 5 = 20$

$6 \times 5 = 30$

___ $\times$ ___ = ___

___ $\times$ ___ = ___

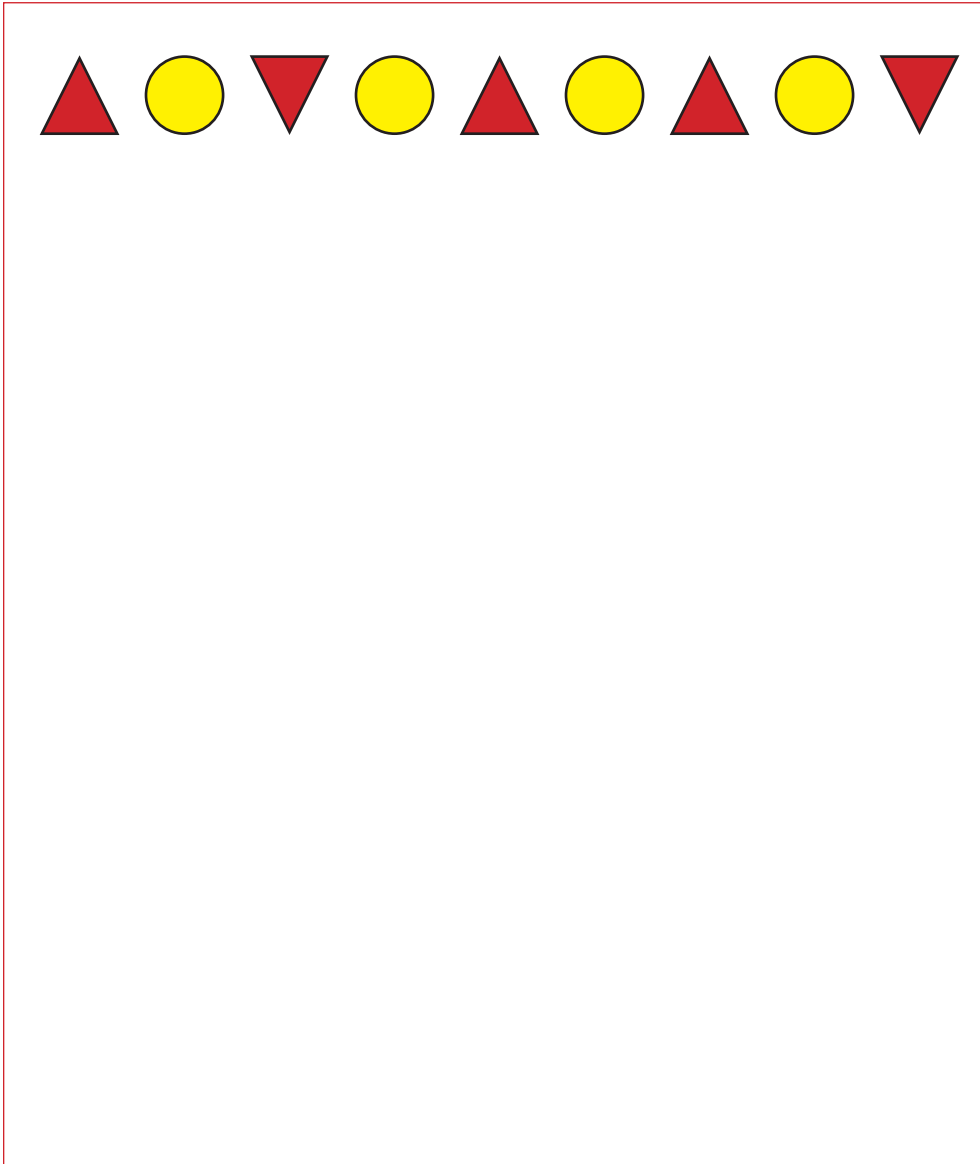**Q13.** Observe the number pattern and choose the series that will come next:

88888888, 7777777, 666666, 55555, _____, ____, ____, ___

a. 44444, 33333, 22222, 11111

b. 4444, 333, 22, 1

c. 4444, 3333, 2222, 1111

Q14. **Shivani has drawn the top border of a carpet. Help her complete the border by drawing the same border at the bottom end of the carpet.**

▲ ⬤ ▼ ⬤ ▲ ⬤ ▲ ⬤ ▼

Q15. **Continue the pattern upto 5 stars:**

★ ★ ★
  ★ ★
    ★

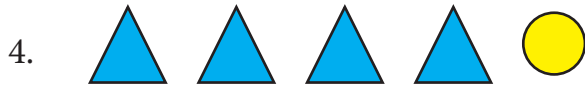## ANSWERS

1. (C)

2.

3. DDDD, EEEEE, FFFFFF

4.

5. a. 34
   b. 55
   c. 17

6. 48, 60, 72

7. $2000 \times 8 = 16{,}000$
   $20{,}000 \times 8 = 1{,}60{,}000$

8.

9.

6	30
7	35
8	40

10.

11. $20000 \div 1000 = 20$
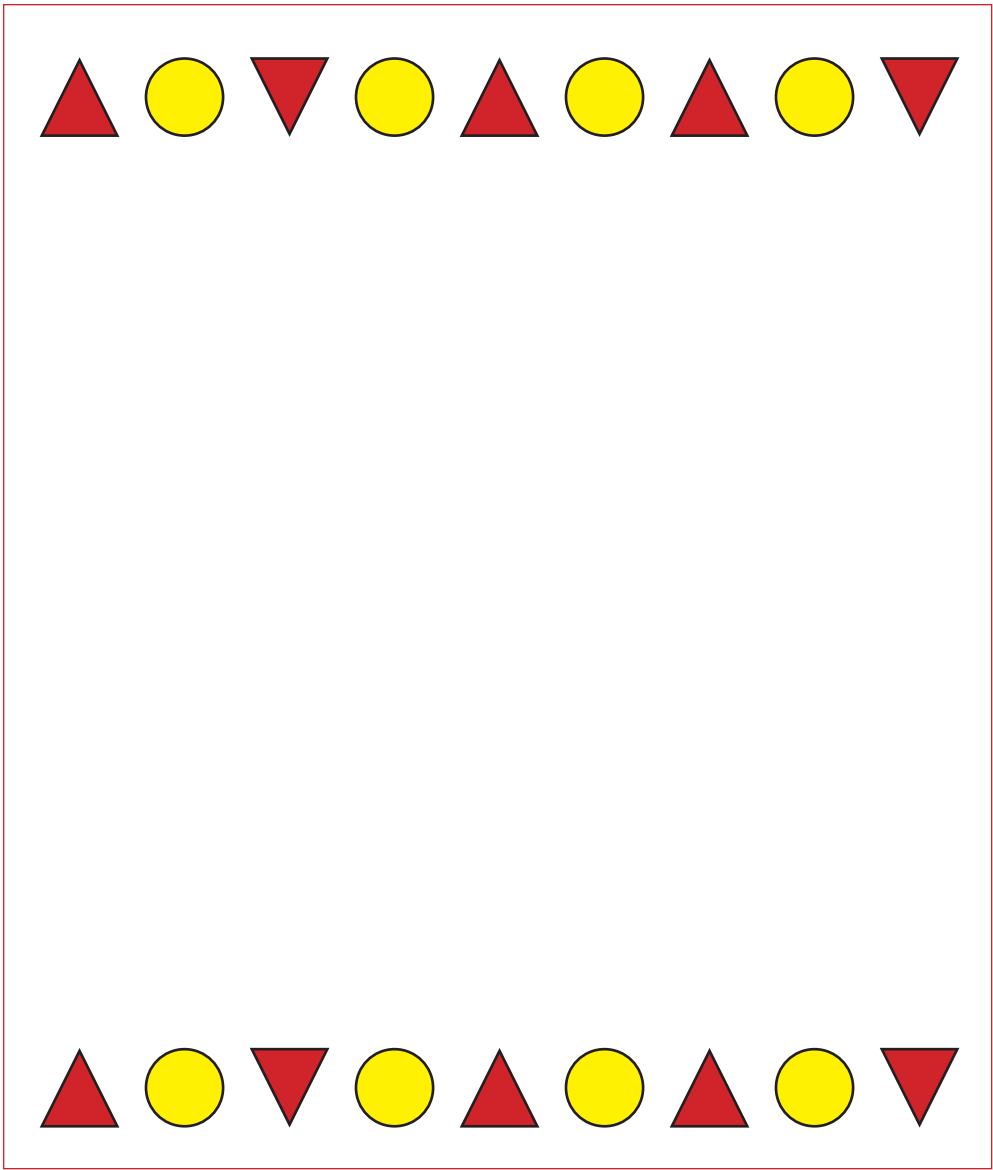 $20000 \div 10000 = 2$

12. $8 \times 5 = 40$
    $10 \times 5 = 50$

13. (b)

14. ▲ ● ▼ ● ▲ ● ▲ ● ▼

▲ ● ▼ ● ▲ ● ▲ ● ▼

15. ★ ★ ★ ★ ★
★ ★ ★ ★
★ ★ ★
★ ★
★