Patterns in Mathematics
Answer Key

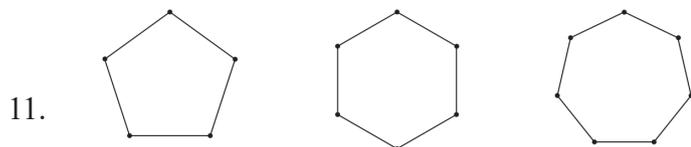|											
1.	(c)	2.	(b)	3.	(b)	4.	(d)	5.	(b)	6.	37

7. $1234 \times 8 + 4 = 9876$
$12345 \times 8 + 5 = 98765$

8.
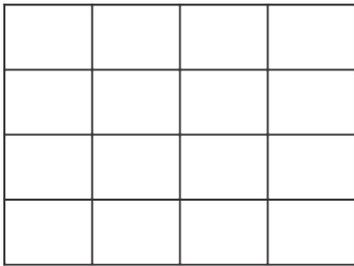
9. 144

10. 29,
$7 \times 6 + 3 = 45$
$5 \times 4 + 6 = 26$
$7 \times 3 + 8 = 29$

16

11.

12. 88, 92, 184, 188

13. 810, $3 \times 5 \times 8 \times 2 = 240$, $2 \times 7 \times 6 \times 4 = 336$, $5 \times 9 \times 6 \times 3 = 810$

14.

2	15	16	5
9	12	11	6
13	8	7	10
14	3	4	17

15. Heptagon

Octagon

Nonagon

Decagon

Case Study Based Questions

1.	(i)	b	(ii)	a	(iii)	c	(iv)	d
2.	(i)	d	(ii)	c	(iii)	c	(iv)	a

Assertion & Reason

1.	A	2.	D	3.	C