

Patterns in Mathematics

Answer Key

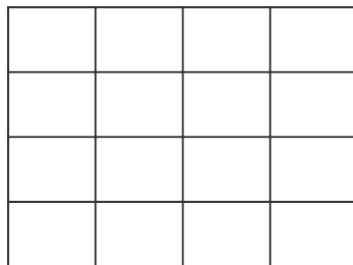
1. (c) 2. (b) 3. (b) 4. (d) 5. (b) 6. 37

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

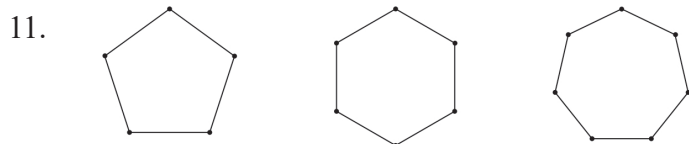
8. 9. 144

29,

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



16



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

