

London Independent Girls' Schools Consortium (Group 1): 11+ Maths 2016

School: London Independent Girls' Schools Consortium (Group 1)
Subject: Maths
Level: 11+
Time: 75 mins
Type: Past Test Paper
Year in use: 2016

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Q.	Answer	Solution
1.	7392	
2.	6359	
3.	22374	
4.	686	
5.	72	
6.	55	

7. (a) 2040
(b) 1050

8. 13750

9. $16 \times 7 \geq 17 \times 6$

10. 3

11. 3

12. $\frac{5}{8}$

13. 8:40

14. 1.5

15. (a) (i) 80 (ii) 23
(b) -3 then $\times 2$ or $\times 2$ then -6

16. (a) 13485
(b) 49853
(c) 984
(d) 89

17.

6	7	2
1	5	9
8	3	4

18.

- (a) 1596
- (b) 777
- (c) 3.7

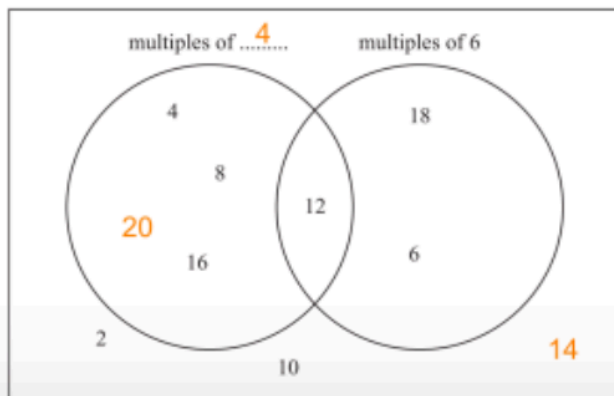
19.

- (a) 750 ml water ; 250 g sugar ; 1125 g strawberries ; 5 eggs
- (b) 60 people

20.

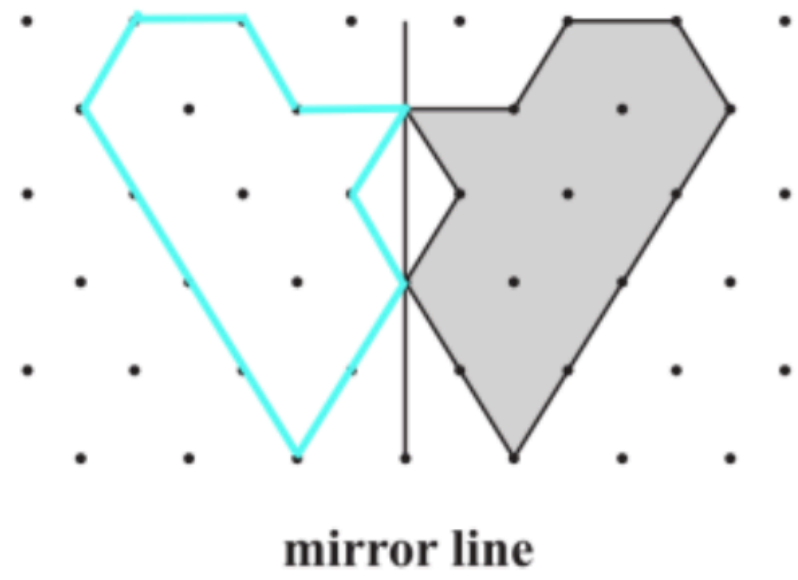
12

21.



22. (a) 6 (kiwi Fruits)
(b) 4 (cherries)

23.



24. 39

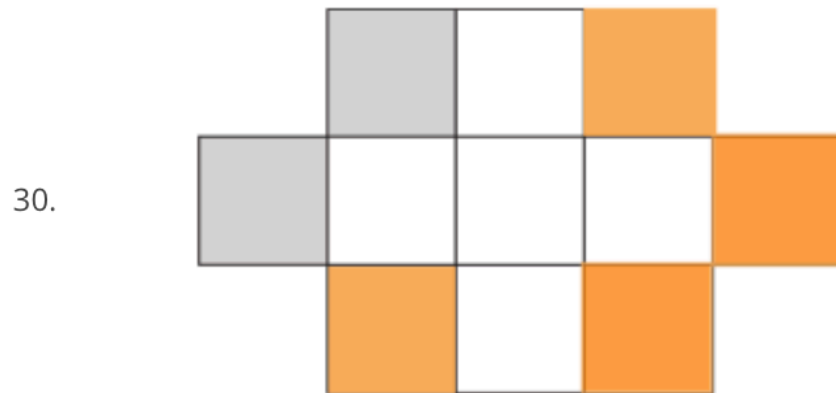
25. 25

26. 2.9

27. 3

28. (a) 15 (woodlice)
(b) 50 (woodlice)
(c) 14 (woodlice)

29. Mum :- Coffee
Dad :- Chocolate
Granny :- Strawberry

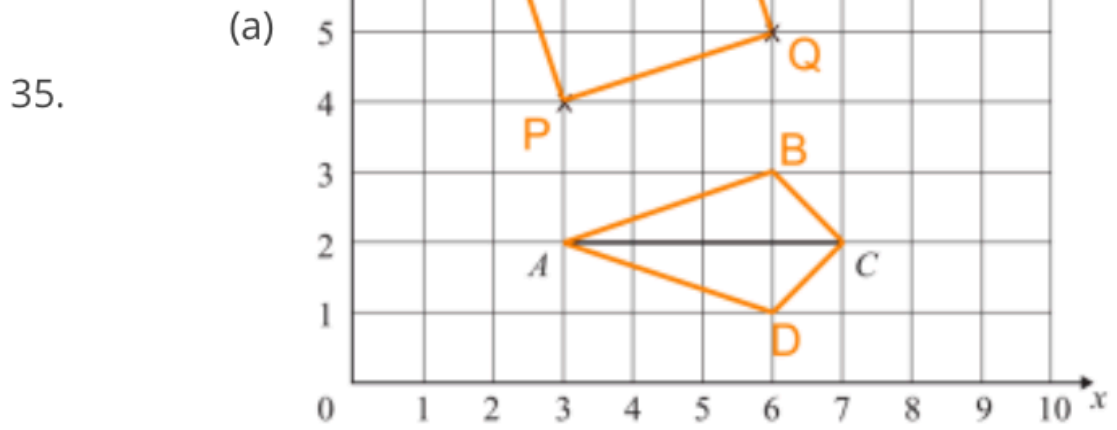


32.

	Always true	Sometimes true	Never true
A square has four right angles	✓		
A pentagon has five obtuse angles		✓	
A rhombus has all four sides different lengths			✓

- 33. (a) 2.4
(b) 2400

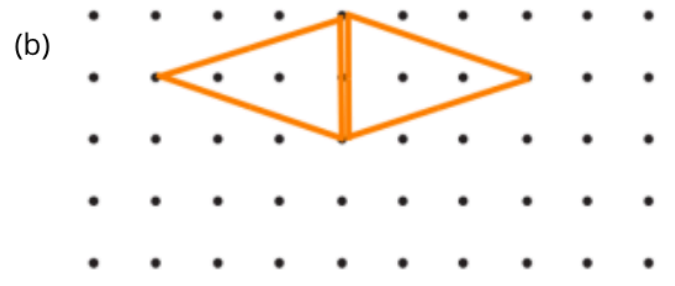
- 34. (a) 300
(b) 6 (times)



- (b) (2 , 7)
- (c) See diagram in part (a)



36.



37. (a) 48
(b) 108
(c) 18

38. 64

39. (a) 8 g
(b) 125,000 (tea leaves)
(c) 100 (tea bags)

40.

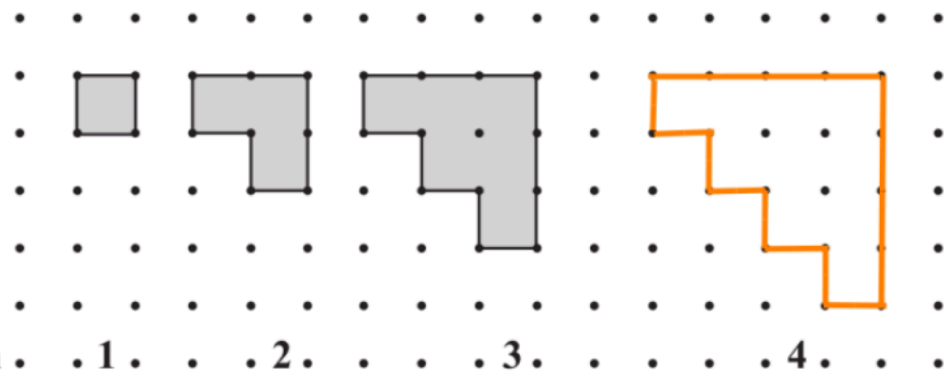
(a)

container	flavour	topping
C (cone)	M (mint)	F (flake)
C	M	S
C	V	F
C	V	S
T	M	F
T	M	S
T	V	F
T	V	S

(b) container: Tub ; flavour: Mint ; topping: Sprinkles

container: Cone ; flavour: Vanilla ; topping: Flake

(a)



41.

(b)

pattern number	1	2	3	4	5
number of squares	1	3	6	10	15
perimeter (units)	4	8	12	16	20

(c) 49

(d) 5050

42.

Rama :- 88 ; Sarah :- 66 ; Tina :- 44

43.

(a) (i) 28 → 36 → 9

(ii) 73 → 16 → 25 → 9

(b) 13 , 20 , 24

(c) 0 , 1 , 4 , 9

(d) 9

44.

250 (metres)



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45. (a) 5
(b) 10
(c) 1 and 8
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