

London Independent Girls' Schools Consortium (Group 1): 11+ Maths 2014

School: London Independent Girls' Schools Consortium (Group 1)

Subject: Maths

Level: 11+

Time: 75 mins

Type: Past Test Paper

Year in use: 2014

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Q.	Answer	Solution
1.	3104	
2.	1886	
3.	42498	
4.	787	
5.	(a) 34200 (b) 1940	
6.	63	



7.	54
8.	28
9.	2, 3, 7
10.	(smallest) 3.08, 3.8, 3.808, 3.88 (largest)
11.	(a) 2 (b) 4 (c) 9
12.	(a) £16.6 (b) £1, 50p, 20p, 2p, 2p, 1p or £1, 20p, 20p, 20p, 10p, 5p or 50p, 50p, 50p, 10p, 10p, 5p
13.	(a) 19° (b) -13°C



14.



15.

(a)

input	output
2	5
6	21
9	33
0.5	-1

(b) $\times 2$ (times two) then $+ 2$ (add two)

16.

- (a) 987534
- (b) 4987
- (c) 985
- (d) 9784

17.

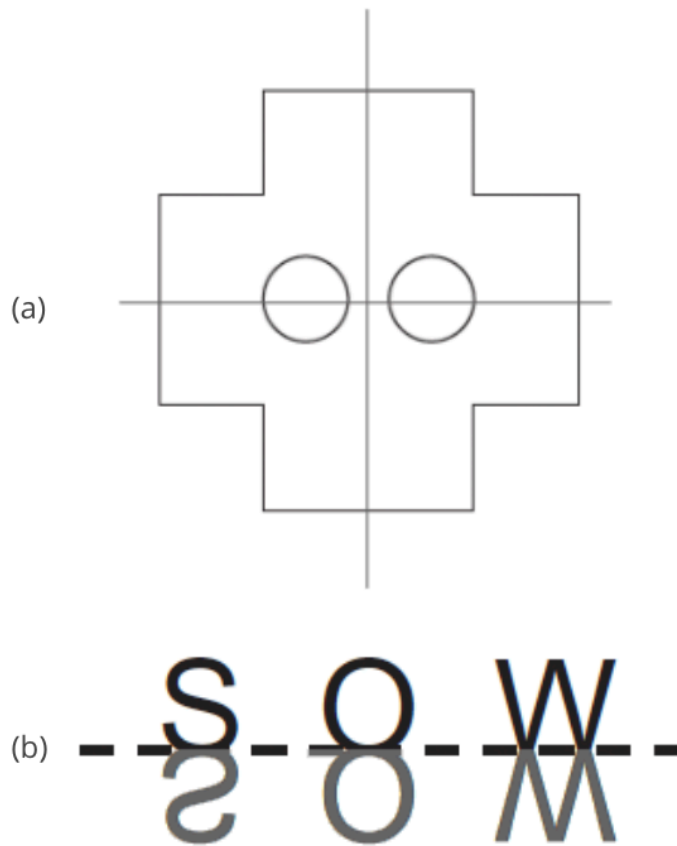
5:33 pm

18. (a) 375 g
(b) 30 waffles
(c) 325 g

19. (a) 6 bales
(b) 36 days

20. (a) 9180
(b) 14526
(c) 269

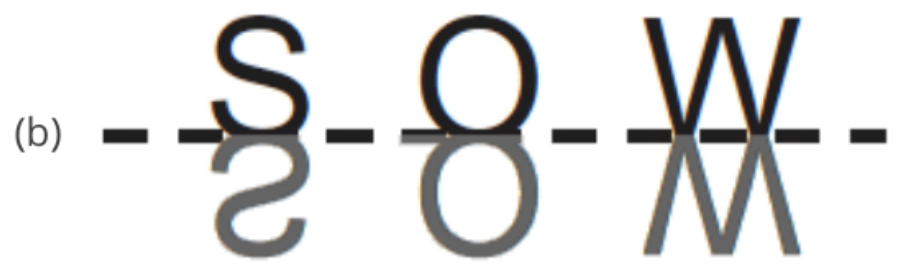
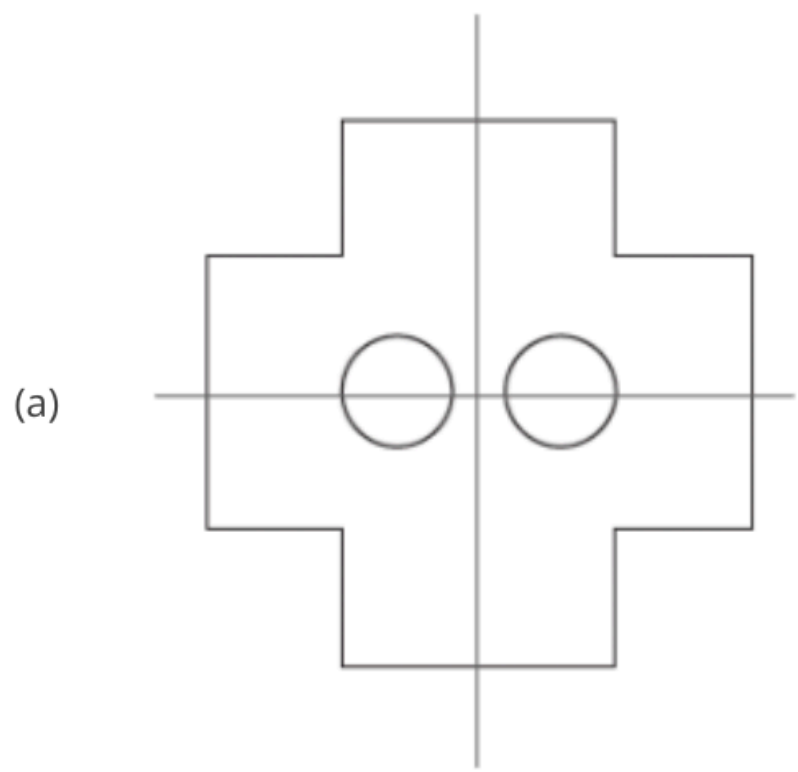
21.



- (c) 270 ml



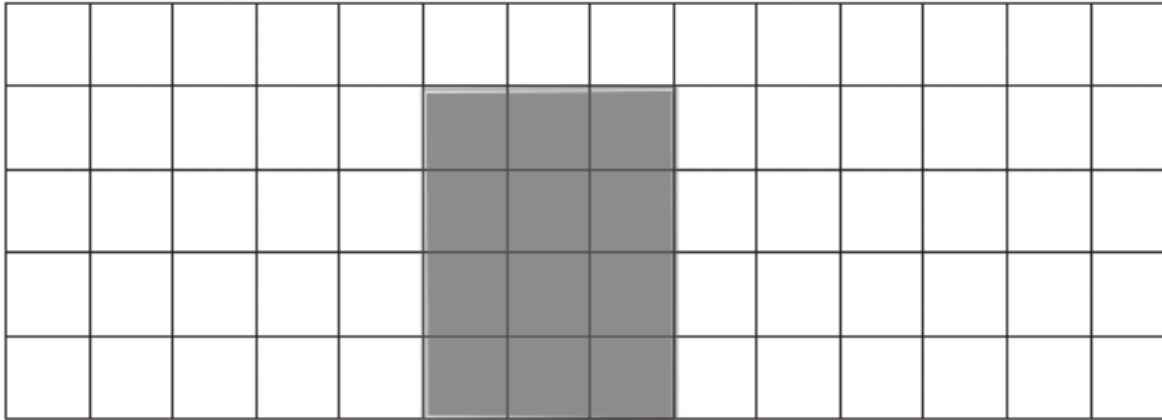
21.



(c) 270 ml

- (a) 12 cm^2
- (b) 18 cm
- (c)

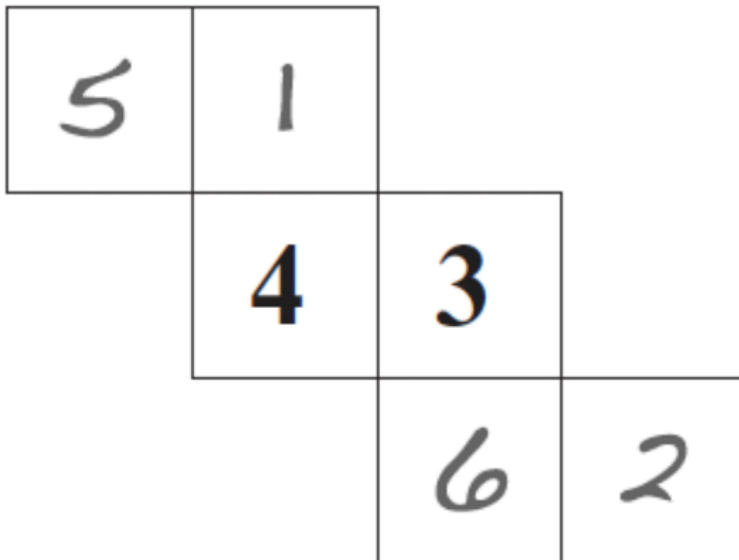
22.



23.

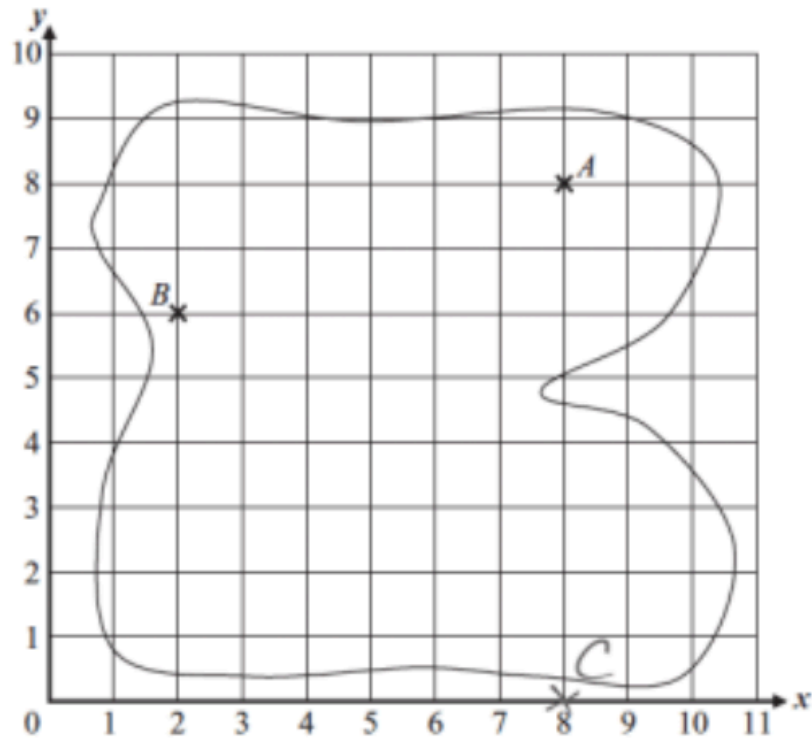
- (a) (i) 14°C (ii) 9°C (iii) 7 degrees
- (iv) Thursday by 8 degrees
- (b) (i) 5°C (ii) 8°C

24.





(a) (2, 6)



25.

(b)

(c) (8, 2)

(d) (5, 7)

26.

(a) B

(b) E

(c) D

	all sides equal length	not all sides equal length
at least one pair of parallel sides	square rhombus regular hexagon	trapezium
no parallel sides	regular pentagon	isosceles triangle

27.

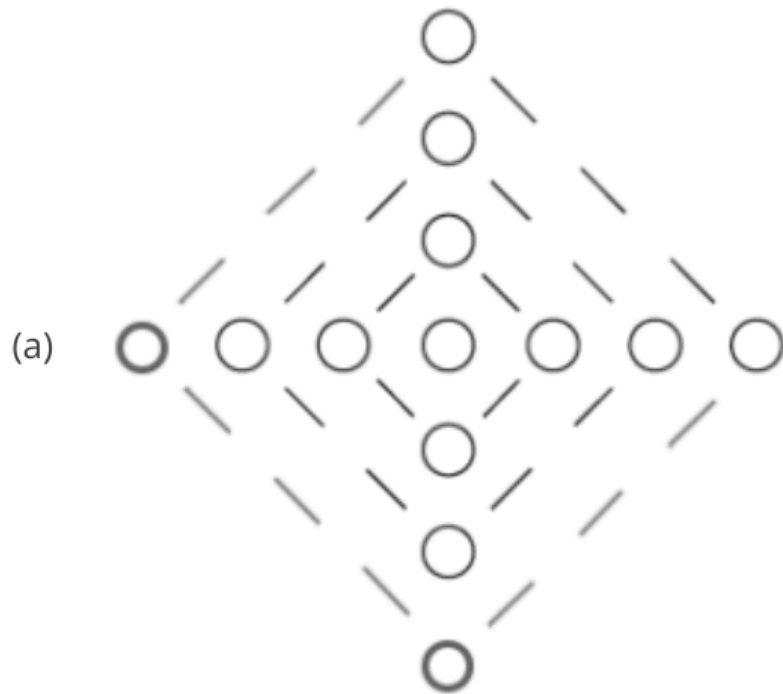
28.

30 faces

29.

(a) 15 times

(b) 13.8 km



30.

(b)

pattern number	1	2	3	4
number of circles	1	5	9	13
number of lines	0	4	12	24

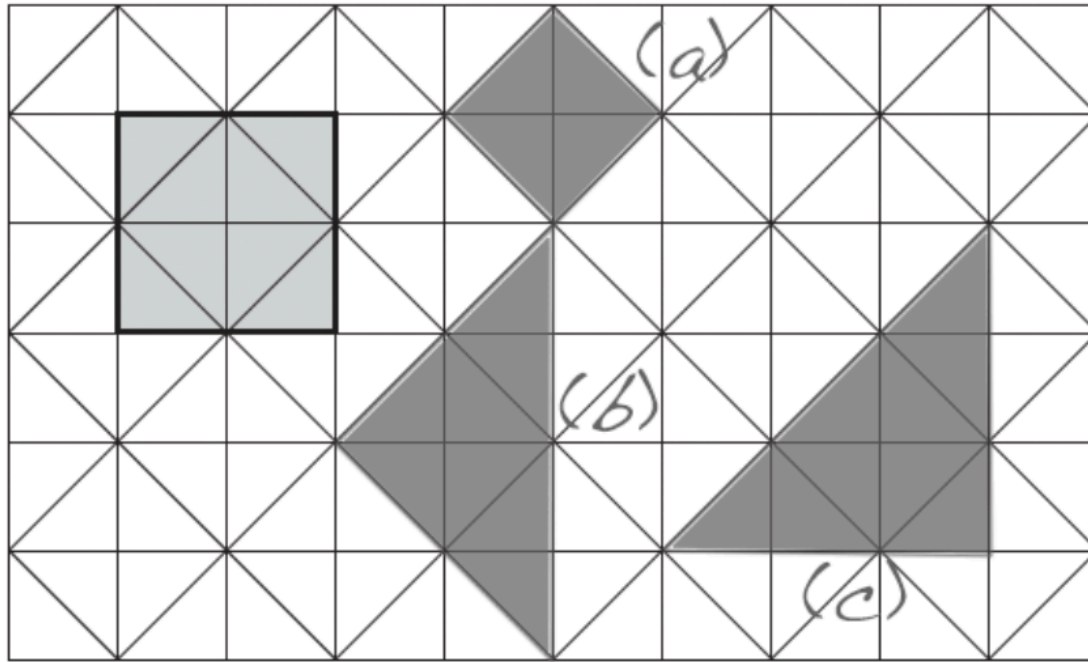
(c) 21

(d) 40

(e) 10

(f) The number of circle is always an odd number and is not divisible by 4. 100 is both an even number and is divisible by 4. So the number is not correct.

31.



32.

- (a) 11 cm
- (b) 35 g
- (c) £32.5
- (d) 3500

33.

- (a) (i) 174 (ii) 87
- (b) The grey square equals the sum of the two white squares on its both sides

	35	54	19
(c)	61		72
	26	79	53



34. (a) 18 p
(b) 12 cars

(Including the colon separator between the hour and minute reading)

10:01, 11:11, 12:21

35. (Excluding the colon separator between the hour and minute reading)

1:01, 1:11, 1:21, 1:51, 2:02, 2:12, 2:22, 2:52, 5:05, 5:15, 5:25, 5:55, 6:09, 6:19,
6:29, 6:59, 8:08, 8:18, 8:28, 8:58, 9:06, 9:16, 9:26, 9:56, 10:01, 11:11, 12:21

36. Mary – Sally
Joseph – Jon or Peter
Herod – Peter or Jon
shepherd – Clare
angel – Gemma
innkeeper – Tom