

London Independent Girls' Schools Consortium (Group 2): 11+ Maths 2013

School: London Independent Girls' Schools Consortium (Group 2)
Subject: Maths
Level: 11+
Time: 75 mins
Type: Past Test Paper
Year in use: 2013

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Q.	Answer	Solution
1.	4245	
2.	2667	
3.	2926	
4.	266	
5.	(a) 20013 (b) 29.07	



6. 48

7. 1.05

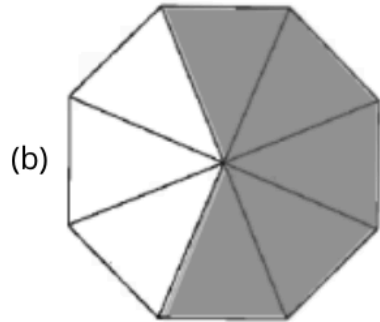
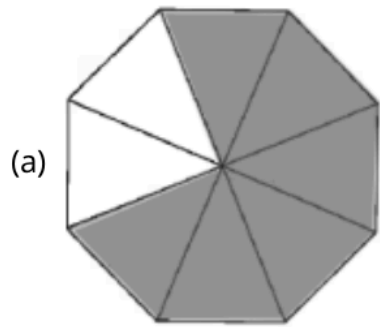
8. 27

9. 8, 14, 21

10. (a) 49
(b) 13.14

11. (a) 20
(b) -5

12. (a) 9
(b) 1
(c) 5



13.

(c) Answer: 75% because when an octagon is divided into 8 equal triangles, it is covering 6 of them, whilst for $\frac{8}{5}$, it is covering only 5. Hence 75% is larger.

14.

(a)

input	output
1	8
0	<u>6</u>
<u>4</u>	14

(b) $\times 2$ then $+3$

15.

- (a) 300
- (b) 45
- (c) 90

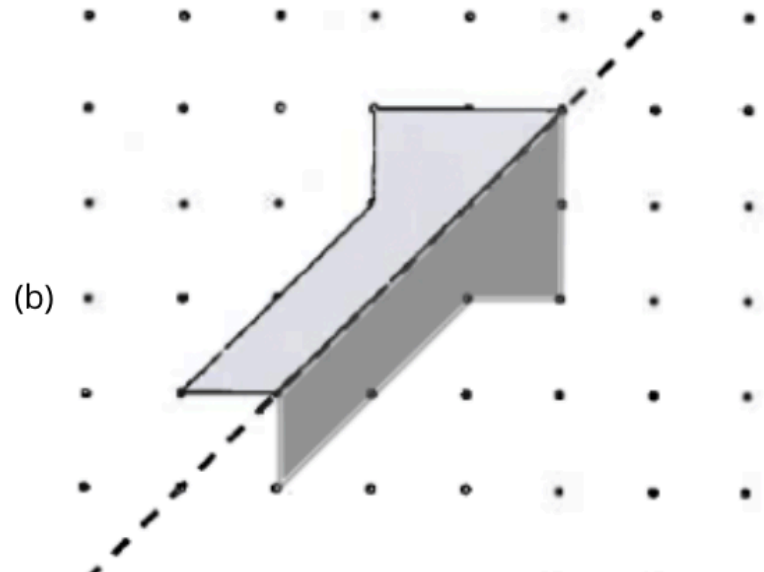
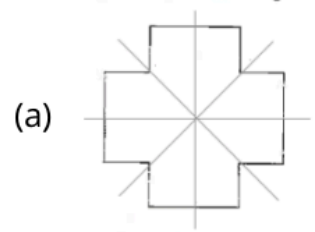


16. 19 and 11

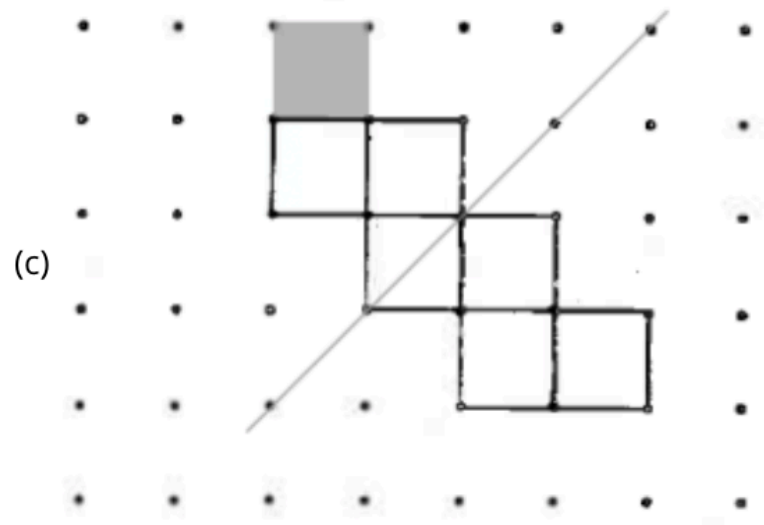
17. 9 years 8 months

18. (a) 83330
 (b) 8320
 (c) 14743

19. (a) (i) 86427 (ii) 48762
 (b) 67
 (c) 76×8



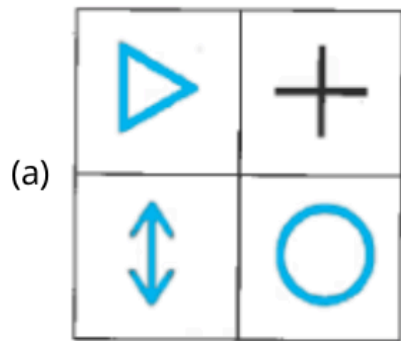
20.



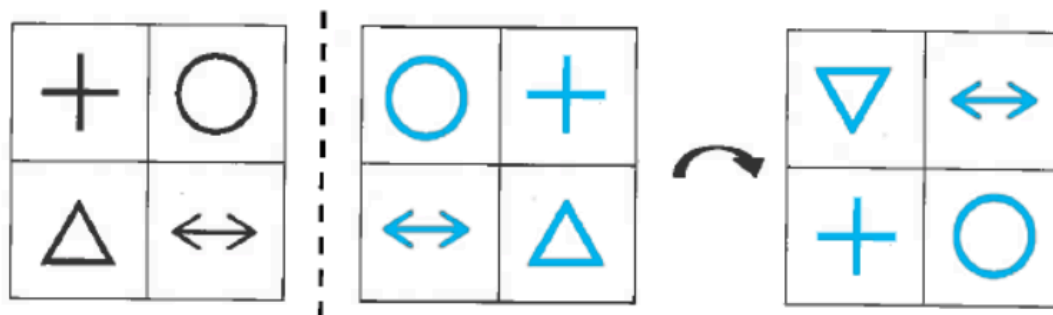
21.

7

22.

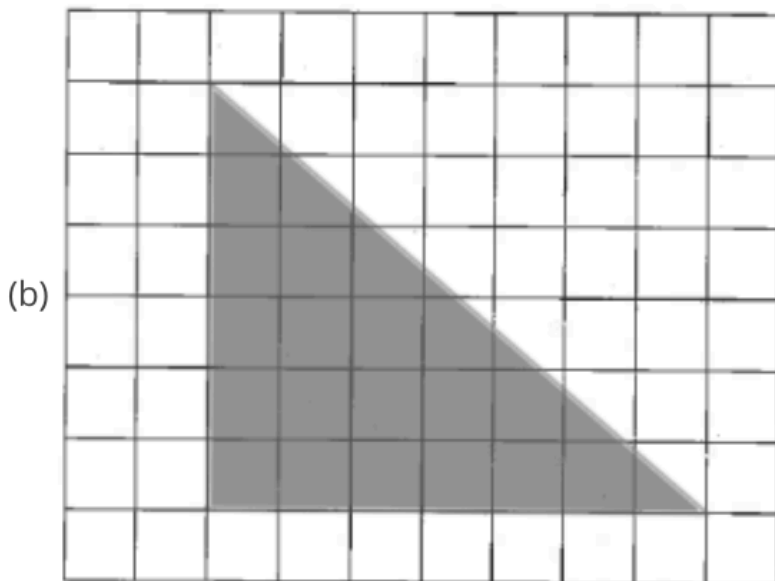


(b)

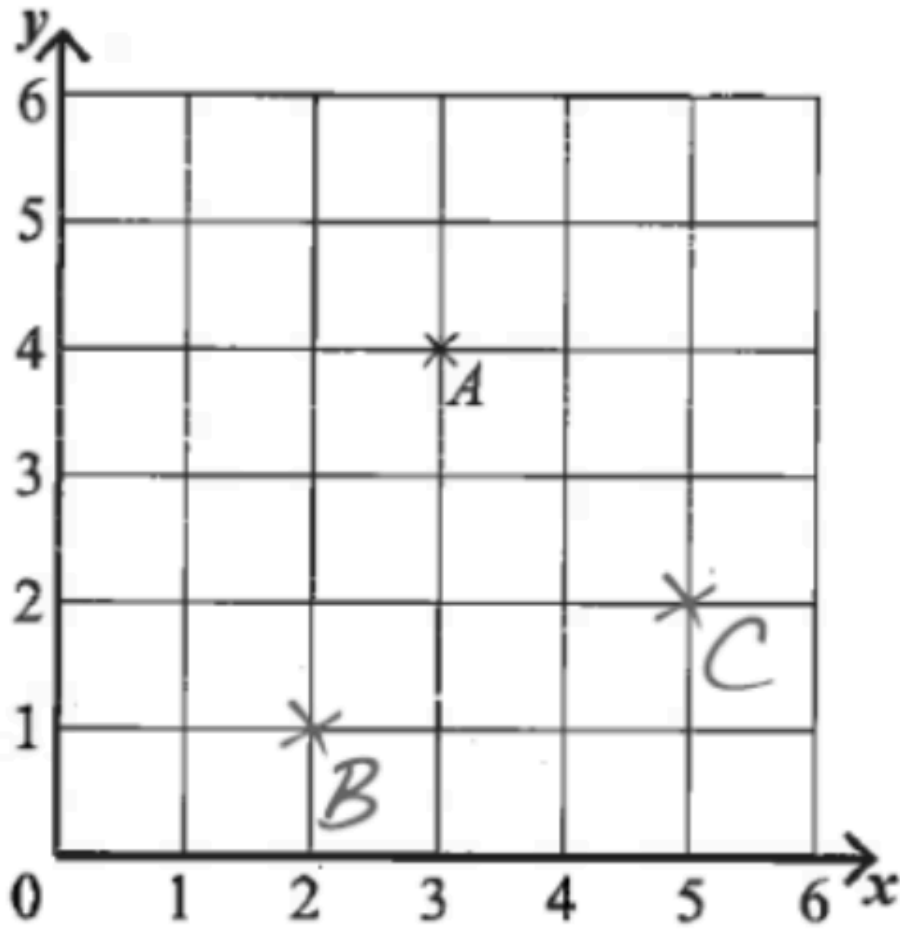


23.

(a) (i) 28 (ii) 19



(a) (3, 4)



(b)

(c) (6, 5)

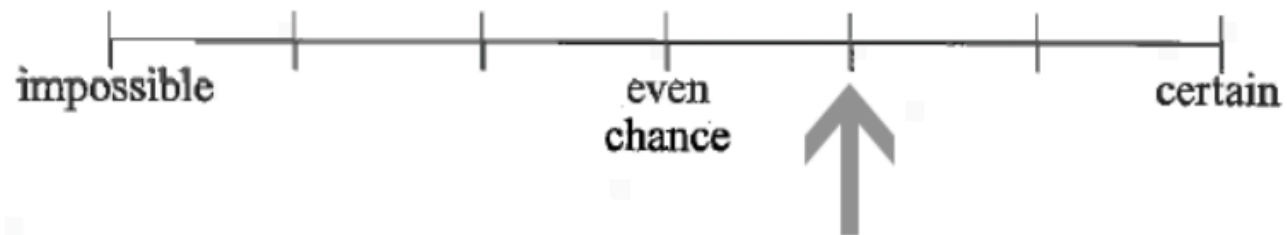
24.



25.

(b) 20

(c)



26.

(a) Angie

(b) Clemmie

(c) 12

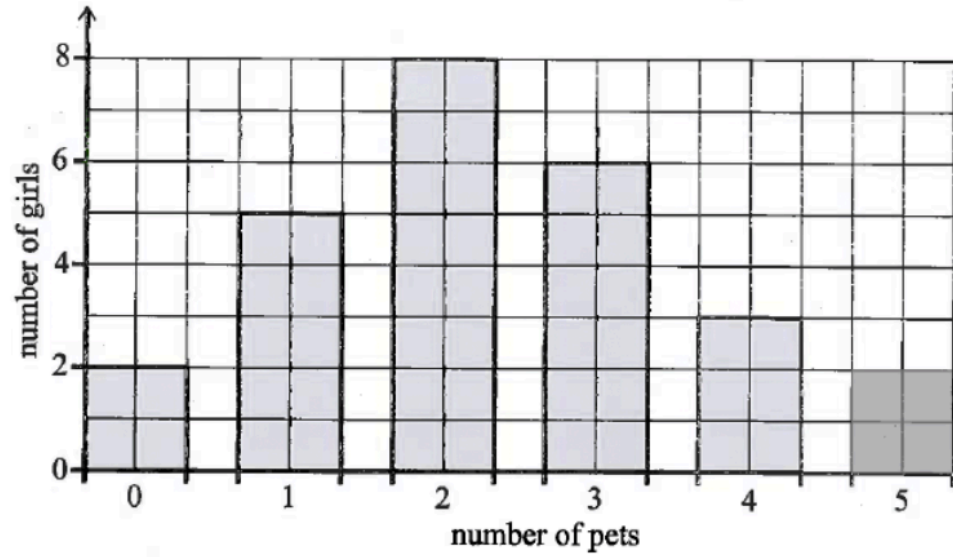
27.

11 cups

(a) 6

(b)

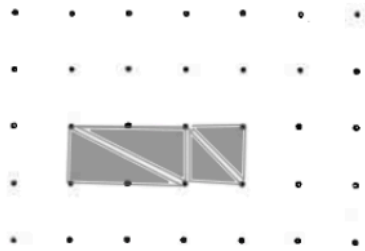
28.



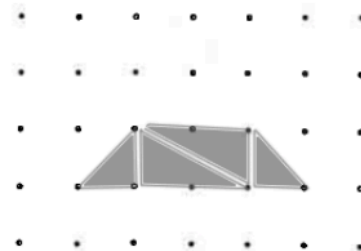
(c) 61

29.

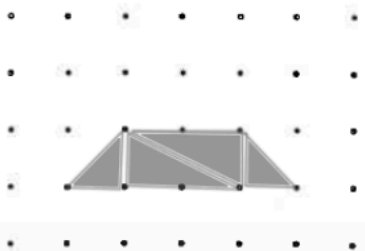
(a) a rectangle



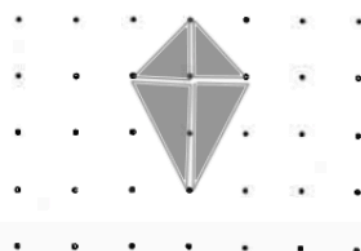
(b) a trapezium with one line of symmetry

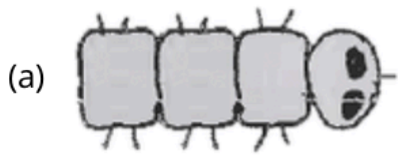


(c) a parallelogram



(d) a kite





(b)

start of year	number of segments	number of bristles
1 (when born)	1	5
2	2	9
3	3	13
4	4	17
5	5	21

30.

(c) 41

(d) 16

= 7

= 5

= 8

= 6

= 25

31.

32.

name	number of marbles
Thomasina	15
Dixie	19
Harriet	26

(a)

33.

	square	circle	star	triangle
black (B)	B □	B O	B ☆	B Δ
grey (G)	G □	G O	G ☆	G Δ
white (W)	W □	W O	W ☆	W Δ

(b) 1/3

(c) 6

(d) BLACK SMALL TRIANGLE

(e) 6

34.

(a) B

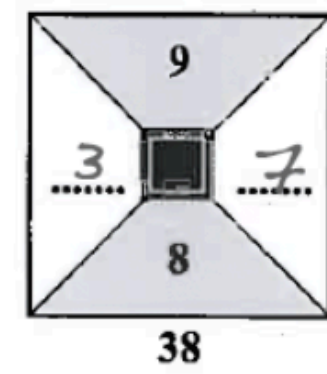
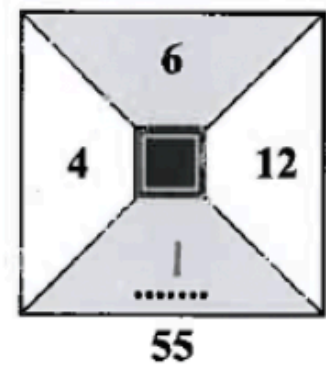
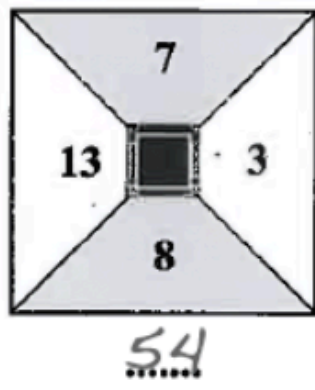
(b) A

35.

12



36.



37.

19

38.

4.14