

# London Independent Girls' Schools Consortium (Group 1): 11+ Maths 2013

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

**Subject:** Maths

**Level:** 11+

**Time:** 75 mins

**Type:** Past Test Paper

**Year in use:** 2013

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Q.	Answer	Solution
1.	12221	
2.	3087	
3.	4571	
4.	987	
5.	34	
6.	(a) 800 (b) 3.49	



7.	0.5
8.	61
9.	36
10.	(smallest) 5.02, 5.2, 5.202, 5.22 (largest)
11.	(a) 2.78 (b) 6 (£2, 50p, 20p, 5p, 2p, 1p)
12.	1
13.	(a) 11 (b) 5 (c) 1/2
14.	(a) 2 hours 19 minutes (b) 17:10
15.	(a) 14 degrees (b) -7°C
16.	(a) 5 years 10 months (b) 1st November 1998



17. (a) 11  
(b) 7.5  
(c) Multiples of 4  
(d) 48  
(e) 24

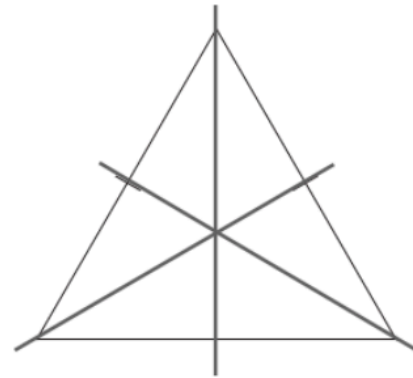
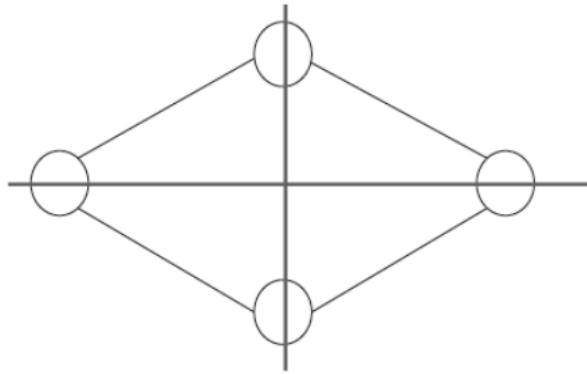
- (a) 70 g  
(b) 90 oatcakes

18. (c) .....**210**..... grams oatmeal  
.....**210**..... grams porridge oats  
.....**15**..... twists of black pepper  
.....**120**..... millilitres olive oil

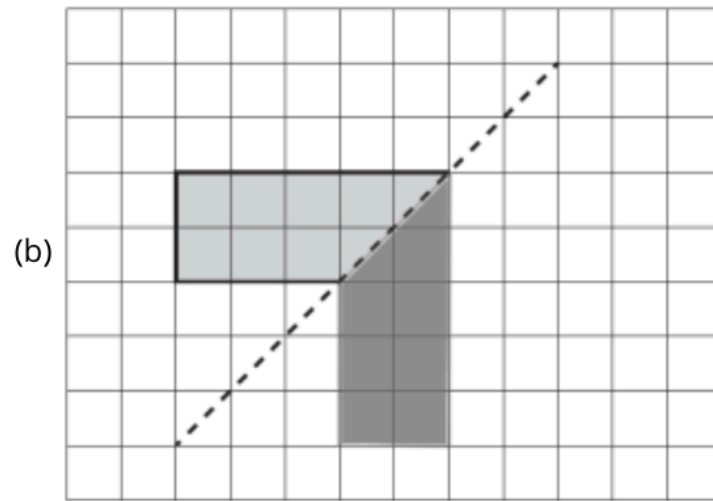
19. 2 hours 25 minutes

20. £12

(a)



21.



(b)

(c) 7:15 am

22.

- (a)  $\frac{1}{4}$
- (b) 50%
- (c) 24
- (d) 9

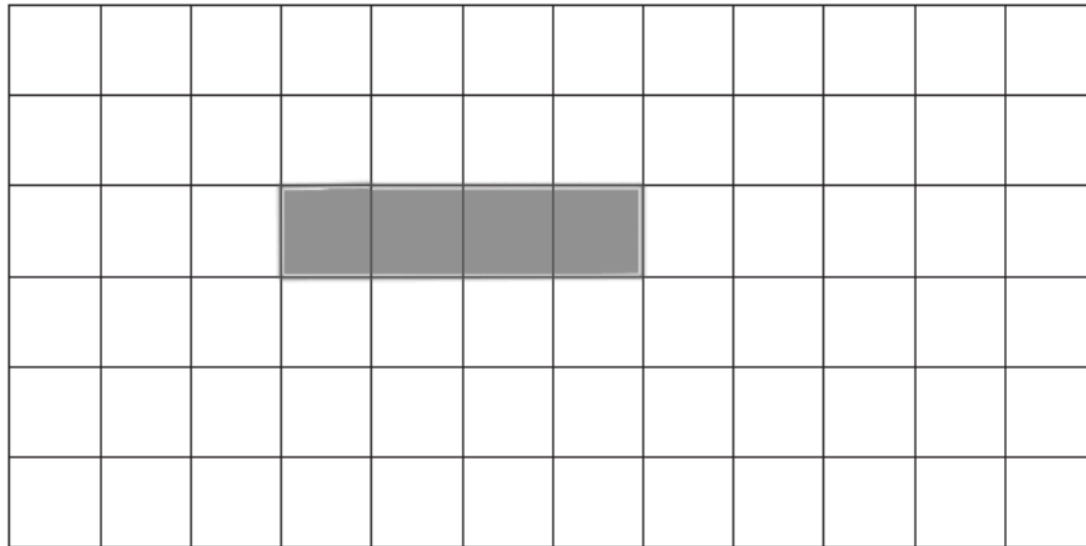
23.

- (a) Octagon
- (b) Obtuse
- (c) (i) 3.4 cm (ii) 27.2 cm

(a)  $8 \text{ cm}^2$

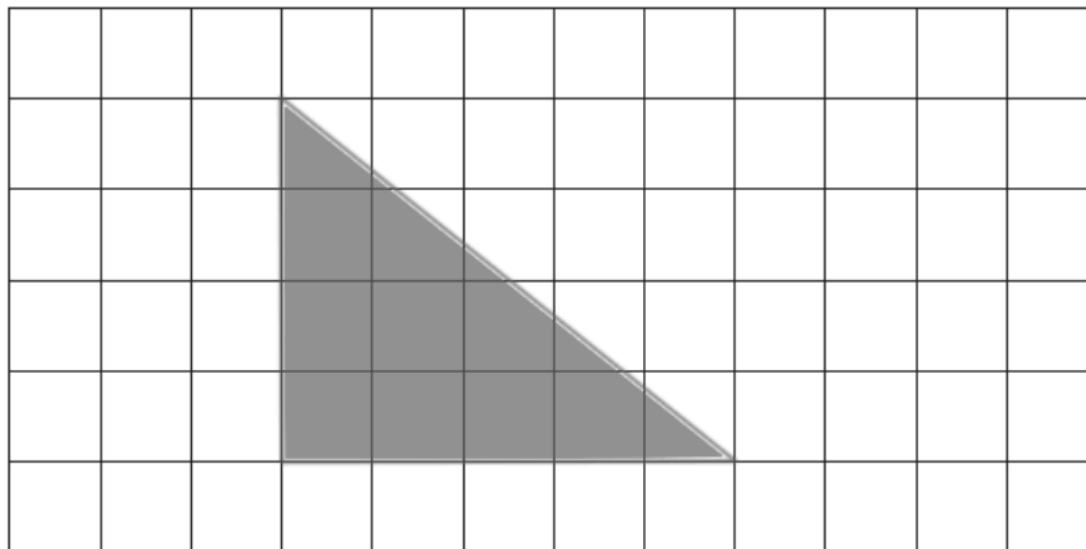
(b)

(i)



24.

(ii)



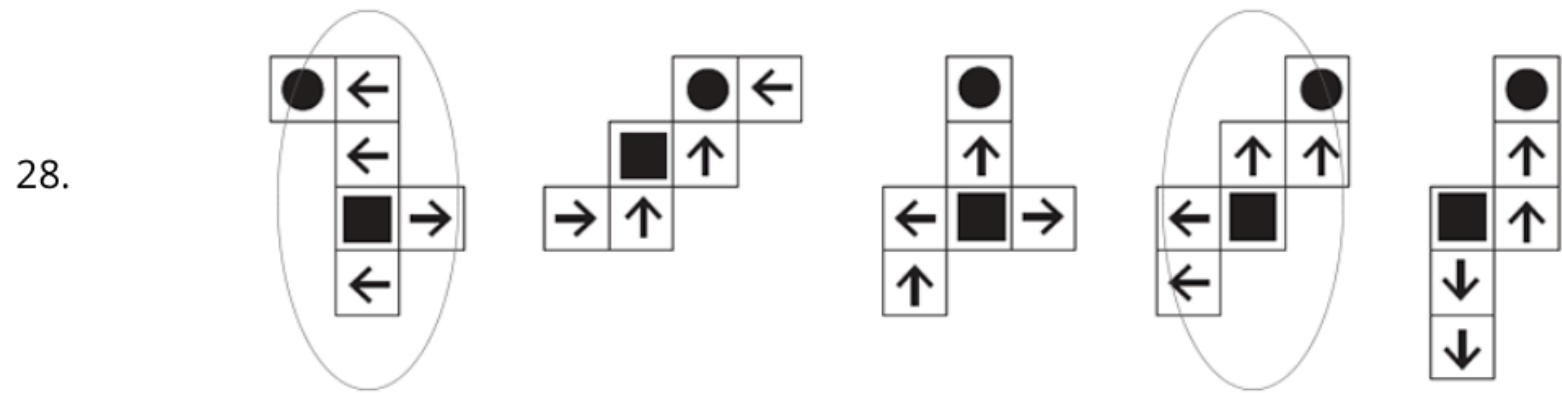
25.

(a) tonnes

(b) litres

26. (a) B  
(b) A  
(c) D

27. (a) (1, 5)  
(b) (1, 1), (3, 6), (2,3)



29. (a) 12  
(b) 84

30. 850 g

(a)

31.

pattern number	1	2	3	4
number of black hexagons	2	3	4	5
number of white hexagons	8	10	12	14

(b) 14

(c) 26

(d) 22

32.

♥ = ..... 1 .....  
 \* = ..... 9 .....  
 ∂ = ..... 5 .....  
 © = ..... 4 .....  
 ♣ = ..... 16 .....

33.

	males	females	total
can drive	30	50	80
cannot drive	18	22	40
total	48	72	120

34. (a) 10 times  
(b) £6  
(c) the game expects to make a PROFIT of £1

35.  $26 \text{ cm}^2$

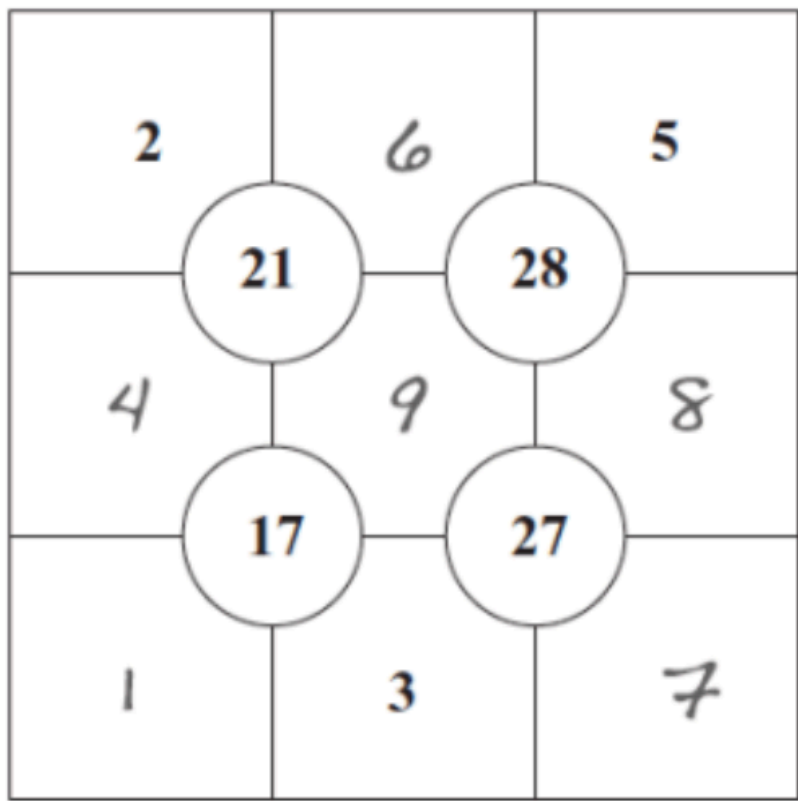
36. (a) 5  
(b) 6 hours  
(c) 120

37. A represents Molly  
B represents Polly  
C represents Lolly  
D represents Holly  
E represents Dolly

38. (a) 4 packets  
(b) 3 packets of oranges and 5 packets of apples  
(c) 16

39. Red





40.