

London Independent Girls' Schools Consortium (Group 2): 11+ Maths 2016

School: London Independent Girls' Schools Consortium (Group 2)

Subject: Maths

Level: 11+

Time: 75 mins

Type: Past Test Paper

Year in use: 2016

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| Q. | Answer | Solution |
|----|--------|----------|
| 1. | 2344 | |



2. 1686

3. 26082

4. 483

5. 60

6. 95 , 191

7. (a) 16700
(b) 370

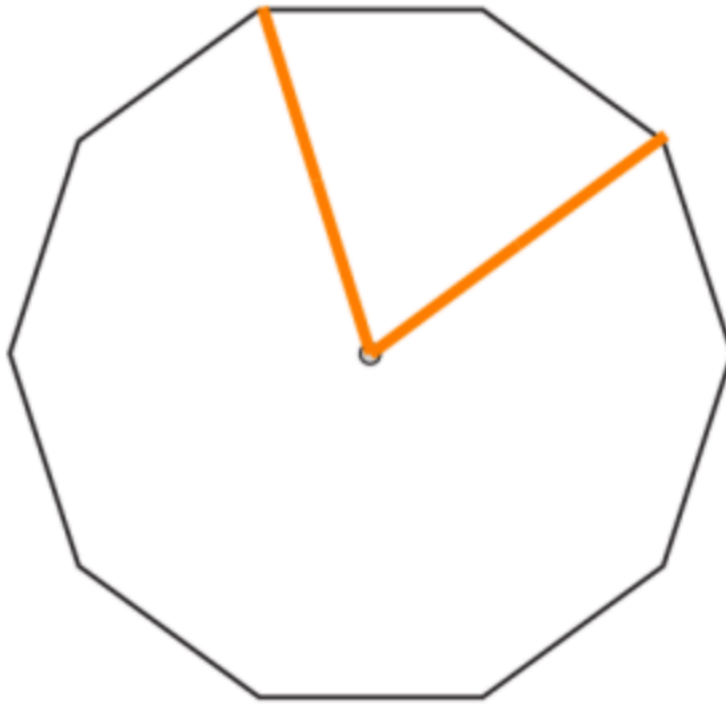
8. 2916

9. $19 \times 3 > 28 \times 2$

10. 21 (degrees)



11.



12. 14:35

13. 72

14. 11

(a)

15.

| Daniel calls out | Bella writes down |
|------------------|-------------------|
| 5 | 10 |
| 8 | 19 |
| 1 | -2 |

(b) multiples by 3 and then adds 4

16.

(a) 132

(b) 53

(c) 4325

17.

(a) 10 (g)

(b) 15 (%)

(c) 350 (g)

(d) 17.5 (g)



(a) 25

(b)

18.

| | play tennis | do not play tennis | total |
|----------|-------------|--------------------|-------|
| Class 6A | 13 | 10 | 23 |
| Class 6B | 10 | 15 | 25 |
| total | 23 | 25 | 48 |

(c) $\frac{3}{5}$

19.

(a) 5.695

(b) 13400

(c) 2847.5

20.

| | | | |
|----|----|----|----|
| 16 | 3 | 2 | 13 |
| 5 | 10 | 11 | 8 |
| 9 | 6 | 7 | 12 |
| 4 | 15 | 14 | 1 |

21.

- (a) 6 custard creams biscuits
- (b) 26 biscuits

22.

150 shapes

23.

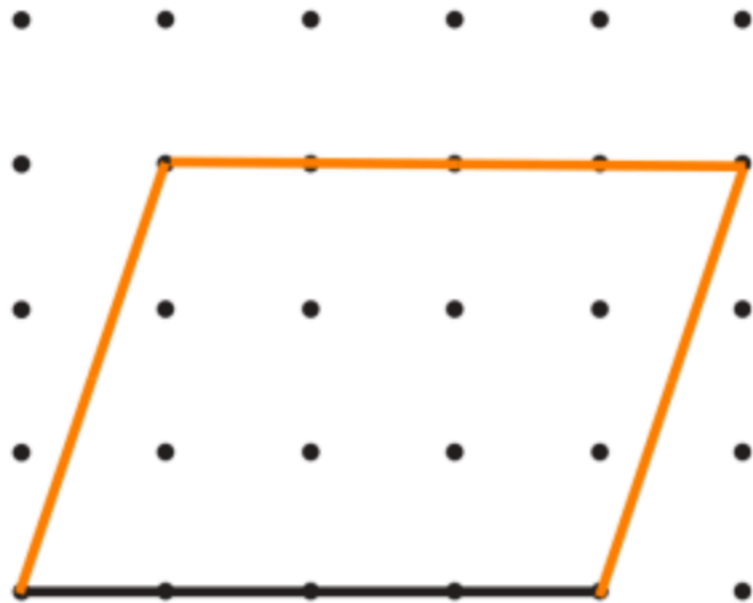
Bus Q by 2 minutes

24.

17

25. 12.15

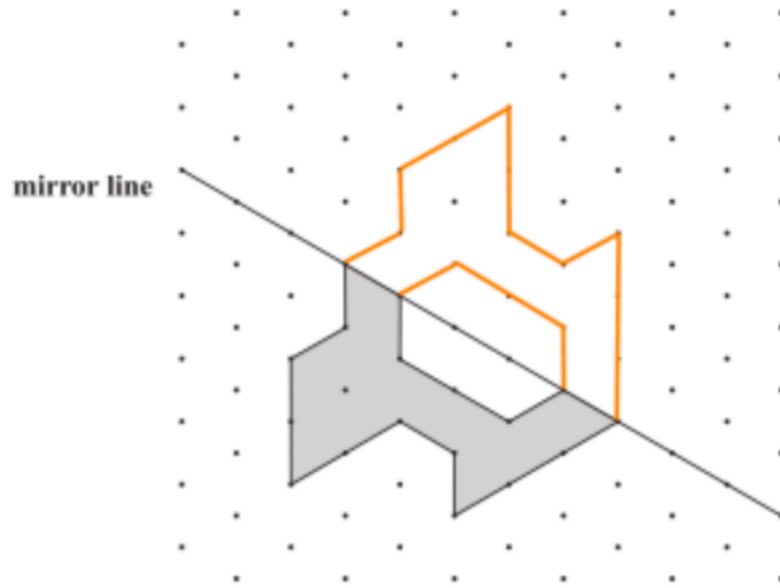
26.



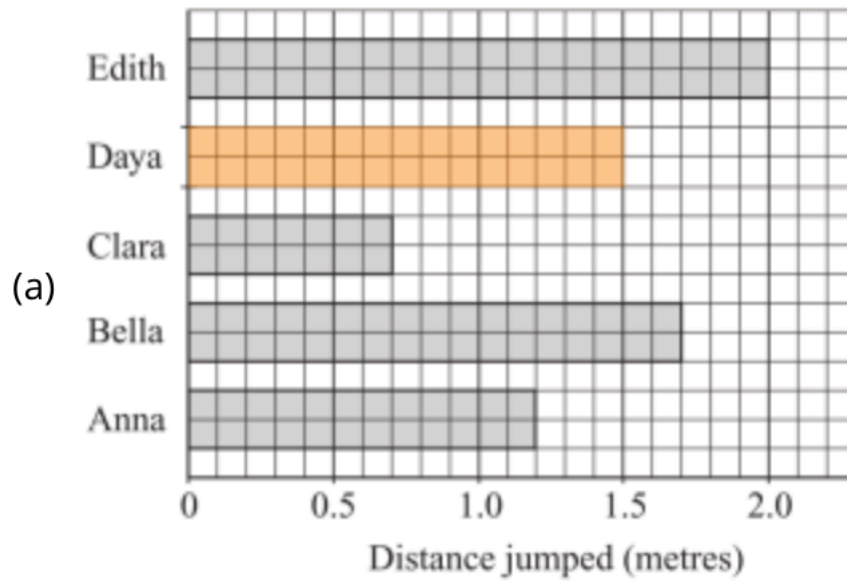
27. Getting a head with a fair coin



28.



29.



(b) 50 (cm)



30. (a) 1 (m)
(b) £4
(c) 40000 (coins)
(d) £4000

31. (a) 11 (years)
(b) 2018

32. (a) 13
(b) 14



33. (a) 7:27 am
(b) 7:40 am
(c) 8:08 am

34. (a) 25 girls
(b) 9 girls
(c) 28 (%)
(d) $\frac{3}{5}$

35. 8 cm^2

36. (a) south-west
(b) 34 or 35 (cm)

37. (a) 100 matchboxes
(b) 300 matchboxes

38. P , R

39. 1.5 kg

(a)



40.

(b)

| | | | | |
|---------------------------|---|---|----|----|
| pattern number | 1 | 2 | 3 | 4 |
| number of small triangles | 1 | 4 | 9 | 16 |
| perimeter (cm) | 3 | 6 | 9 | 12 |
| number of dots | 3 | 6 | 10 | 15 |

(c) 36 (small triangles)

(d) 30 (cm)

(e) (pattern) 8

41.

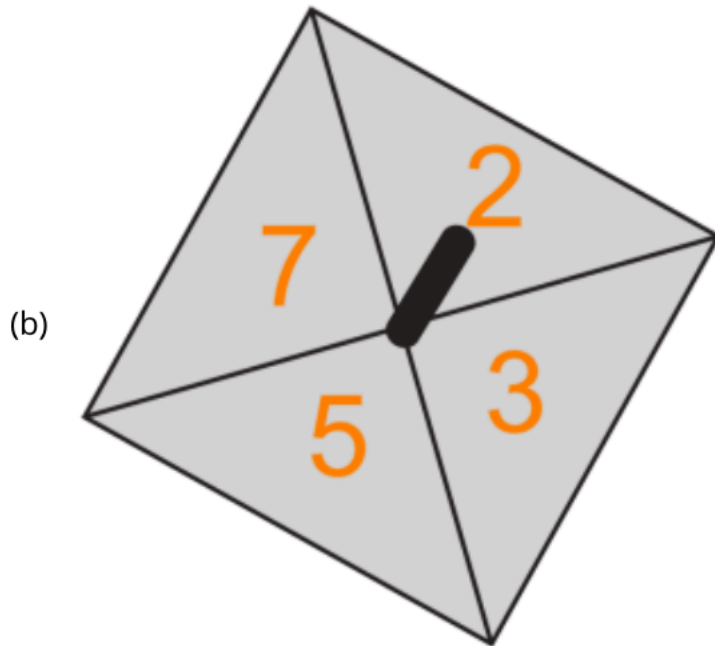
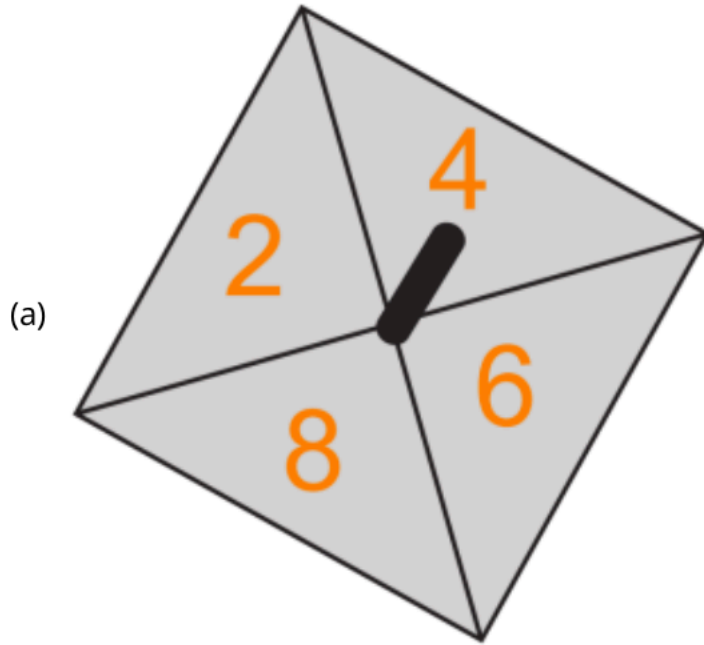
(a) 6 (days)

(b) 20 (days)

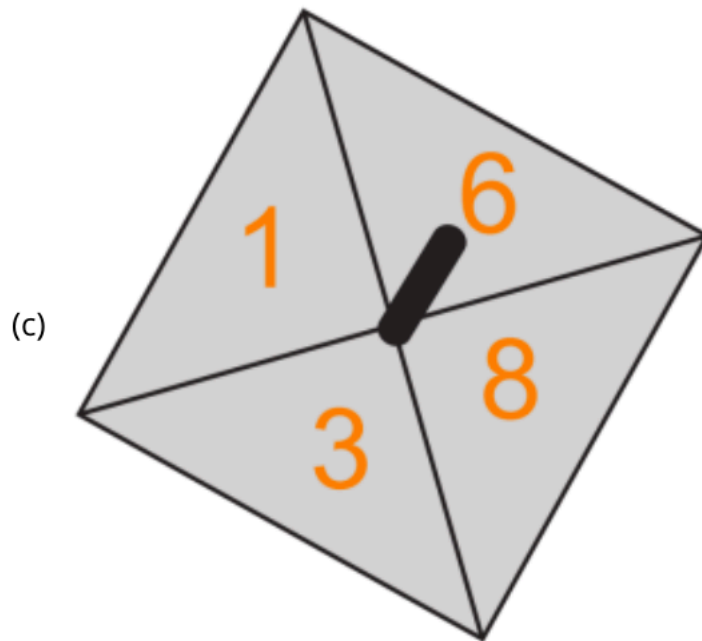


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42. (a) 20
(b) 864
(c) 1 or 2 or 3
-

43. (a) 133
(b) 111
(c) 315 and 351
-



44.



(d) A will score the highest total
because the sum of the numbers on spinner A is the largest
among the the three.

45. 4 birds ; 2 cats ; 1 insects ; 2 spiders

46. (a) (i) 59 ; (ii) $19 + 23 + 29$; (iii) $23 + 29 + 31$
(b) $37 + 41 + 43 = 121$; $13 + 17 + 19 + 49$