



Haberdasher's Askes' Boys' School: 11+ Maths Paper 2014



School: Haberdasher's Askes' Boys' School
Subject: Maths
Level: 11+
Time: 60 mins
Type: Past Test Paper
Year in use: 2014

[Download Paper](#) 

[Hide Answers](#)

Q	Answer	Solution
1.	64	
2.	25	
3.	306	
4.	29	
5.	24024	



6. 600

7. 30

8. £23.95

9. 111 kg

10. 1320 (petals)

11. 12 and 14

12. 36

13. 20 miles = 32 kilometres
40 kilometres = 25 miles

14. 13 each and 4 left over

15. 16 (years old)

16. 18

17. £1.05

18. £32

19. 7 (paths)
12 km

20. 3 metres per minute

Score	1	2	3	4	5	6
0	0	0	0	0	0	0
1	1	2	3	4	5	6
2	2	4	6	8	10	12
3	3	6	9	12	15	18

- (a) $1\frac{1}{4}$
(b) $1\frac{1}{6}$

21.

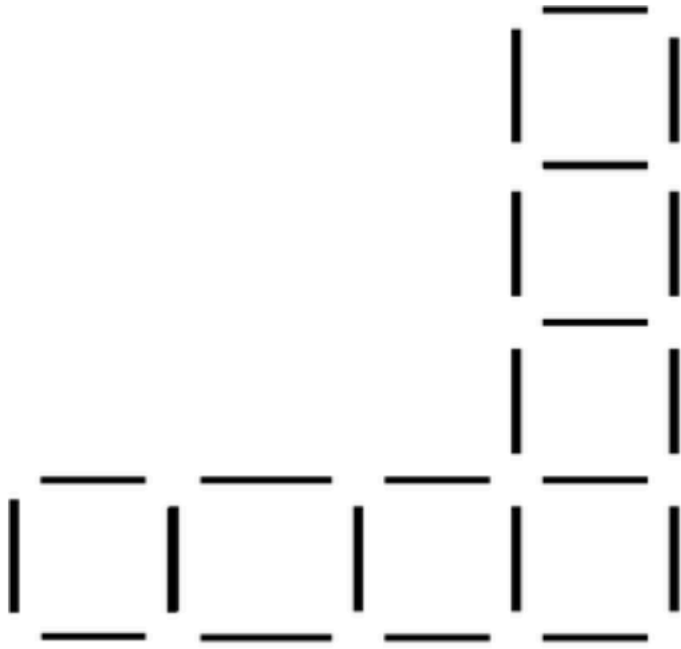
Average maximum temperature in October : 16°C

Two hottest months : July and August

Driest month : March

Average rainfall for the last three months : $63\frac{1}{3}$ mm

22.

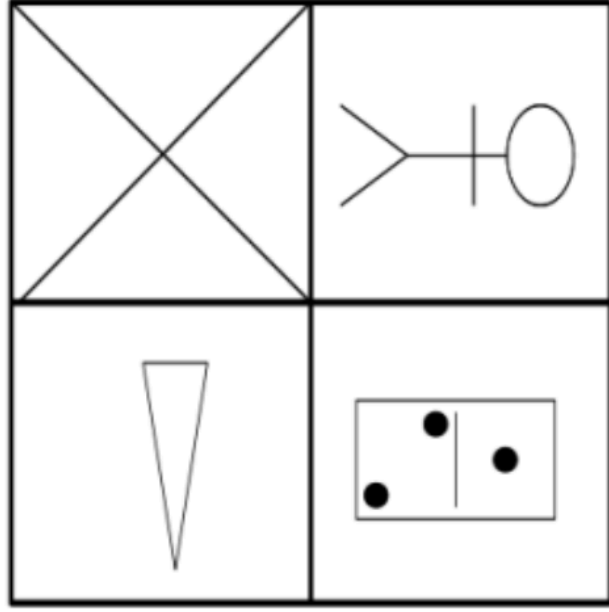


23.

Pattern Number	Number of Sticks
1	4
2	10
3	16
4	<u>22</u>
7	<u>40</u>
<u>12</u>	70

At London : Time is 12.15pm and date is 10,Jan
 At Adelaide: Time is 1:53am and date is 1 Oct

24.



25.

Square C (upper diagram): 169 cm^2

26. Connection area : 30 cm^2

Length of square C (lower diagram): 10 cm

Question 1 : 90 mins

Question 2: 3 moves

Question 3: 10 days

27.

$S(1,3) : \underline{6}$

$S(6,40) : \underline{805}$

$S(7,38) : \underline{720}$

28.

$S(1,2) - S(2,3) + S(3,4) - S(4,5) + \dots - S(18,19) + S(19,20) : \underline{21}$



29. 2893

2608 cm²

30. 398 cm²

248 cm²