



# Haberdasher's Askes' Boys' School: 11+ Maths Paper 2013



**School:** Haberdasher's Askes' Boys' School  
**Subject:** Maths  
**Level:** 11+  
**Time:** 60 mins  
**Type:** Past Test Paper  
**Year in use:** 2013

[Download Paper](#) 

[Hide Answers](#)

Q	Answer	Solution
1.	94	
2.	21	
3.	536	
4.	24	
5.	£4.2	
6.	8 1/3	



7. 19 boxes

8. 0.25 litres

9. 275

10. biggest number: 83%  
smallest number: 0.29

11. 16

12. £0.95 or 95p



14. 3102019

15. B  
C

16. E

17. Smallest number: 650  
Largest number: 749

18. Percentage of people chose Athletics: 36%  
Number of people chose Hockey: 15

19. 3

20. B

21. 3 hours  
10 people

22.  $\frac{3}{4}$   
 $\frac{7}{8}$   
15/16  
1023/1024  
1

23. Total number of runs by all eleven players: 187 runs  
Average score of the remaining nine members: 12 runs

24. 40 strips  
1200 metres  
50 mins

25. Coordinates of points B: (3 , 2)  
Coordinates of centre of the circle: (5 , 3)  
Coordinates of centre of the second circle: (9 , 9)  
Coordinates of the other end of the diameter: (21 , 22)





	Five Sided Polygon	Six Sided Polygon
Name of shape	Pentagon	Hexagon
Size of angle a	72°	60°
Size of angle b	54°	60°
Name of triangle ABC	Isosceles Triangle	Equilateral Triangle

26.

3!: 6 ;

27. 10!: 3628800 ;

100!/98!: 9900

Area of Whasham :  $160\text{km}^2$

Area of land which consists of mountain but no forest:  $55\text{ km}^2$

28. Number of people who live in the region which is both mountainous and forested: 4 people

Direct routes from A to C: ENNE and EENN

29. Direct routes from A to D: 4 routes

Direct routes from A to E: 10 routes



Position in race	Number of runner
1	7
2	6
3	8
4	5
5	11
6	12
7	14
8	10
9	9
10	13

30.