

# Haberdasher's Askes' Boys' School: 11+ Maths Paper 2008



School: Haberdasher's Askes' Boys' School

Subject: Maths

Level: 11+




Time: 60 mins

Type: Past Test Paper

Year in use: 2008

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Q 	Answer 	Solution 
1.	84	
2.	73	
3.	504	
4.	18	
5.	£6.49	



6.	£79
7.	14028
8.	$\frac{9}{16}$
9.	(smallest) 0.005 , 0.024 , 1.006 , 1.01 (largest)
10.	48 (pieces)
11.	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>a)</p> <math display="block">\begin{array}{r} 1 \ 6 \ 4 \\ + 2 \ \boxed{5} \ 8 \\ \hline \boxed{4} \ 2 \ 2 \end{array}</math> </div> <div style="text-align: center;"> <p>b)</p> <math display="block">\begin{array}{r} 3 \ 0 \ 5 \\ - 1 \ 5 \ \boxed{6} \\ \hline 1 \ \boxed{4} \ 9 \end{array}</math> </div> </div>
12.	<p><u>5</u> onions</p> <p><u>500</u> g of potatoes</p> <p><u>1000</u> g of chickpeas</p> <p><u>2.5</u> teaspoons of curry powder</p>
13.	<p>36 hrs</p> <p>9 hrs</p>
14.	<p>(a) £90</p> <p>(b) £36</p> <p>(c) 23 (tickets)</p> <p>(d) 9 (tickets)</p>



15. (a) True  
(b) False  
(c) False

16. 82 m  
64 m

17.

	Boys	Girls	Total
Like Coffee	6	8	14
Did not like coffee	4	12	16
Total	10	20	30

18. 220 kg  
57 kg

19. 52 (years old)

20. 21 s

	Odd number	Not an odd number
21.	$\begin{array}{r} \underline{3} \\ \underline{15} \\ \underline{21} \end{array}$	$\begin{array}{r} 12 \\ \underline{6} \\ \underline{24} \end{array}$
	$\begin{array}{r} 7 \\ \underline{1} \\ \underline{11} \\ \underline{19} \end{array}$	$\begin{array}{r} 2 \\ 4 \\ \underline{16} \\ \underline{22} \end{array}$

22. 15000 (millisoxes)

23.

$$31 + 5^2 = 56$$

$$56 + 6^2 = 92$$



	<b>Total Weight</b>	<b>27g</b>	<b>9g</b>	<b>3g</b>	<b>1g</b>
24.	11g	0	1	0	2
	28g	1	0	0	1
	30g	1	0	1	0
	42g	1	1	2	0
	55g	2	0	0	1
	80g	2	2	2	2
	25.	200 (cubes)			
26.	(a) 27 (b) 2 (c) either <u>19</u> (small cubes) or <u>26</u> (small cubes)				
27.	(a) 992 (b) 299				
28.	12 (sweets)				

29. (a) £0.14 or 14p  
(b) (i) £2.1 ; (ii) 26 (marbles)

30. Average time for Craig to answer each question : 2 mins  
Alex spends 20 minutes  
Ben spends 35 minutes  
Craig spends 60 minutes  
David spends 80 minutes  
Edward spends 120 minutes  
Total time they spend altogether : 5 hrs 15 mins