London Independent Girls' Schools Consortium (Group 2): 11+ Maths 2008

School: London Independent Girls' Schools Consortium (Group 2)
Subject: Maths
Level: 11+
Time: 75 mins
Type: Past Test Paper
Year in use: 2008

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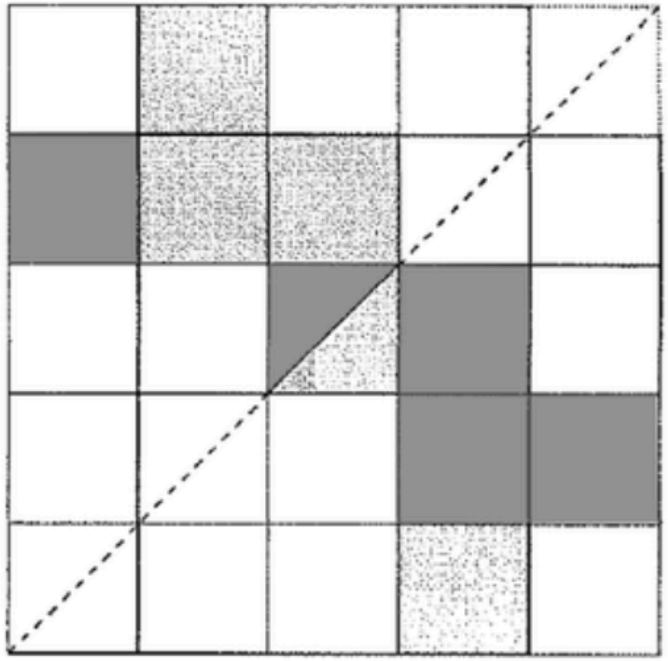
Q.	Answer	Solution
1.	6203	
2.	1773	
3.	6489	
4.	3706	
5.	7998	

6.	$\begin{array}{r} 3\ \square\ 5 \\ +\ \square\ 8\ 7 \\ \hline 8\ 6\ 2 \end{array}$
7.	8 chocolate bars
8.	15
9.	(a) 26 , 38 (b) 1 , 81 (c) 3 1/2 , 1/2
10.	1/3
11.	48
12.	£208
13.	(a) 95 mins or 1 hr 35 mins (b) 8 hrs 15 mins or 495 mins
14.	(smallest) five twelfths (5/12) , 0.65 , 0.7 , 3/4 , 4/5 (largest)

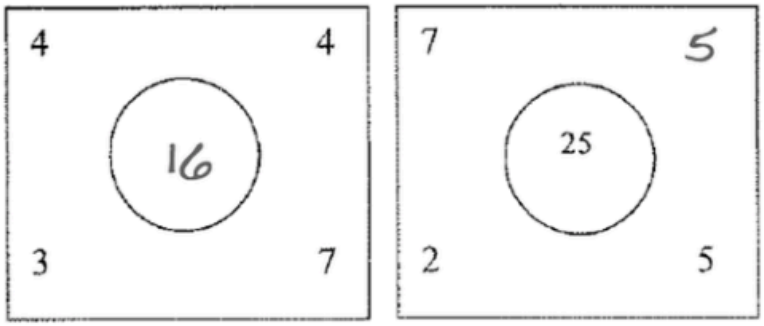
15.	
16.	28%
17.	6
18.	cheese : £2.65 bananas : £0.90 or 90 p chocolate bars : £1.12 or 112 p Change : £5.33
19.	3.9 cm
20.	(Least Likely) B , C , A , D (Most Likely)
21.	£1.11 or 111 p

22.	1 and 4
23.	(a) 51000 (b) 255 (c) 30
24.	Sam 9 Ben 3 Frederick 16 Mylo 11
25.	(a) 9:30 am to 11:30 am (b) 6 pm or 18:00
26.	(a) 98543 (b) 95384 (c) 34598
27.	least glow: 11:11 greatest glow: 08:08
28.	42
29.	Cubes: 16 Triangular blocks: 6
30.	A : 4 B : 3 C : 7

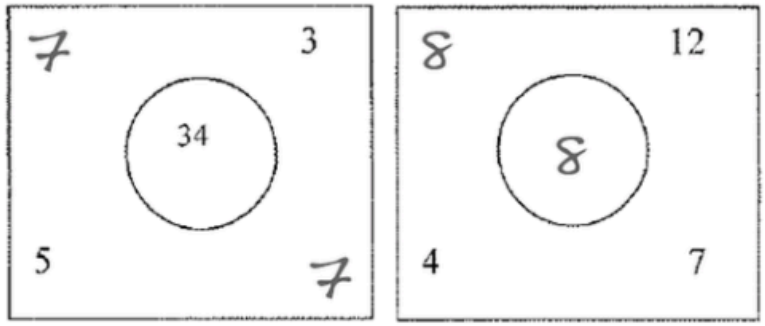
31. 80 cm

32.

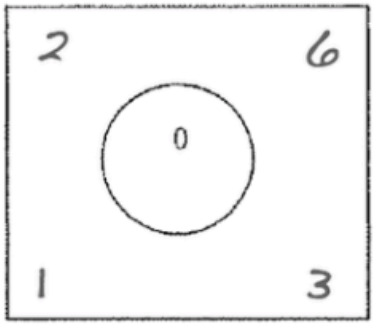
(a)



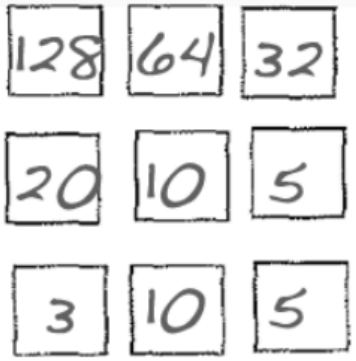
(b)



(c)



Note: Any combination of numbers where the product generated from two numbers multiplying each other has at least four factors. For example, 12 is the product from 2 x 6, and it has factors 1, 2, 3, 4, 6 and 12. So the diagonal number pairs can be 1 and 12, 2 and 6 or 3 and 4, etc. 8 is another number that will work, and it has four factors.

33.	 128 64 32 16 8 4 2 1 4 20 10 5 16 8 4 2 1 4 3 10 5 16 8 4 2 1 4
34.	£5.5
35.	(a) 6 × 8 − 3 (b) 3 × 3 − 8 (c) 38 − 6
36.	Zoe received _Scarf_ from _Ali_ Laura received _CD_ from _Zoe_ Sam received _Video_ from _Craig_ Ali received _Book_ from _Laura_ Craig received _Puzzle_ from _Sam_
37.	_5_ , 3 , _8_ , _11_ , 19
38.	(a) 4 (b) 17 , 30 (c) 20 , 29

39.