

St Paul's Girls' School: 11+ Maths Sample Paper 2



School: St Paul's Girls' School

Subject: Maths

Level: 11+

Time: 75 mins total (25 mins for each section)

Type: Sample Paper 2

Year in use: since 2011 (Currently downloadable from the school's website. Last confirmed - end of 2014)

Section A

Q.	Answer	Solution
1.	91 ; 61	
2.	$13 \times 5 = 60 + 5$ $36 \div 4 = 23 - 14$	
3.	$74 + 176 = 250$	
4.	740	

5.	23
6.	5.5
7.	(smallest) 0.61, 1.60, 6.01, 6.1, 16.0 (largest)
8.	(smallest) $\frac{3}{5}$, $\frac{3}{4}$, $\frac{17}{20}$, $\frac{9}{10}$ (largest)
9.	$2\frac{1}{2}$, $2\frac{6}{11}$, $2\frac{2}{5}$
10.	16 (seconds)
11.	72
12.	13p, 23p, 53p
13.	315, 240
14.	8:45
15.	6
16.	17p
17.	Alysha had £1.80 Julia had £1.40



18. 27 packs

19. £7.04

20. $53 \times 45 = 2385$

Section B

Q.	Answer	Solution
1.	5	
2.	42	
3.	(a) 6 and 14 (b) 9	
4.	(a) (3, 14) (b) C(6, 22); D(9, 38)	
5.	480	
6.	(a) 48 moos (b) $\frac{3}{13}$ (c) 10 complete piles 6 quacks 2 moos	
7.	(a) 144 hrs (b) 3 mins	



(a) B, E

(b) A, B or A, E or D, E (Thanks user Jing Lu for providing the alternative answer)

(c) A, B, E

(a) 1 hour

(b) 3 hours

2	9	4
7	5	3
6	1	8

Section C

Q.	Answer	Solution
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1.

(a)

Number of squares	1	2	3	4	5
Number of matches	4	7	10	13	16

	9
	28

- (b) 121
- (c) 31

2.

- (a) $4 \text{ ☺ } 3 = 16$
- $4 \text{ ☺ } 0 = 4$
- (b) 4
- (c) 4
- (d) 40

3.

		True	False
(a)	$6 + 12 + 15$	is divisible by 3	✓
	$12 + 15 + 36$	is divisible by 3	✓
	$16 + 39 + 81$	is divisible by 3	✓
	$34 + 23 + 99$	is divisible by 3	✓

		Remainder
(b)	$25 + 17 + 200$	divided by 5
	$45 + 135 + 205$	divided by 5
	$315 + 43 + 57$	divided by 5

(c) 3



(a) $1 + 3 + 5 + 7 = 16 = 4^2$
 $1 + 3 + 5 + 7 + 9 = 25 = 5^2$
 $1 + 3 + 5 + 7 + 9 + 11 = 36 = 6^2$

4.

(b) $W = 625$

$X = 2601$

(c) $Y = 23$

$Z = 39$



5.

		Column A				Column B			Column C
	Line 1:	35	÷	8	=	4	r		3
(a)	Line 2:	26	÷	8	=	3	r		2
<hr/>									
	Line 3:	61	÷	8	=	7	r		5
		Column A				Column B			Column C
	Line 4:	21	÷	5	=	4	r		1
(b)	Line 5:	33	÷	5	=	6	r		3
<hr/>									
	Line 6:	54	÷	5	=	10	r		4
		Column A				Column B			Column C
	Line 7:	343424345	÷	7	=	49060620	r		5
(c)	Line 8:	234343432	÷	7	=	33477633	r		1
<hr/>									
	Line 9:	577767777	÷	7	=	82538253	r		6
(d)	4								
		Column A				Column B			Column C
	Line 13:	349858934	÷	8	=	43732366	r		6
(e)	Line 14:	120949039	÷	8	=	15118629	r		7
<hr/>									
	Line 15:	470807973	÷	8	=	58850996	r		5