

# Magdalen College School Oxford: 11+ Maths Specimen Paper (pre 2014)



**School:** Magdalen College School

**Subject:** Maths

**Level:** 11+

**Time:** 50 mins

**Type:** Sample Paper

**Year in use:** Pre 2014

Q

Answer

Solution

1. (a) 57  
(b) 63  
(c) 504  
(d) 108  
(e) 92  
(f) 4.1  
(g) 4.32



2. (a) 14 sides  
(b) 2 pentagons 4 heptagons

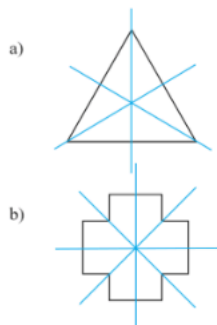
3. (a) 72  
(b) 369  
(c) 253  
(d) 28  
(e) 14

4. (a) £5.70  
(b) 3

5. (a)  $36 \text{ cm}^2$   
(b)  $90 \text{ cm}^2$   
(c)  $18 \text{ cm}^2$

6.

(a) & (b)



7.

C

8.

- (a)  $1/4$
- (b)  $3/8$
- (c)  $3/4$
- (d)  $1/4$

9.

- (a) 0.4
- (b)  $1/2$
- (c) 0.8
- (d) 0.1



10. (a) 9 sweets  
(b) 16

11. (a) 11 and 13 ; incremental odd numbers  
(b) 32 and 64 ; double the previous number  
(c) 23 and 30 ; add 1 to the difference of the two previous numbers, then add the result to the previous number to get the next number  
(d) 5 and 1 ; take away 4 each time

12. (a)  $\frac{7}{15}$  and  $\frac{8}{17}$   
(b)  $\frac{101}{203}$

13. (a)  $60^\circ$   
(b)  $70^\circ$   
(c)  $50^\circ$

14. 24  
4  
12



15.	(a) $\times$ (b) $+ ; \times$ (c) $\times ; \div$ (d) $\div ; \times ; -$
16.	$1 + 2 \times 3 - 4 + 5 \times 6$
17.	5.55 am
18.	£175
19.	(a) 24 boy scouts (b) 8 days (c) 15 loaves
20.	(a) 10 (b) 18 (c) $x/z$
21.	60



22.

