

# Aldenham School: 11+ Maths Sample Paper (2016)

**School:** Aldenham School

**Subject:** Maths

**Level:** 11+

**Time:** 45 mins

**Type:** Sample Paper

**Year in use:** 2016



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Q  Sample Answers 

1. 14036

2. (a) 28  
(b) 9  
(c) 80  
(d) 8



3. 1870 seats

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4. 5 glasses

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5. £ 4.9

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6. (a) 1400  
(b) 8.64  
(c) 0.2

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7. (a) 12 , 30  
(b) 17 , 29  
(c) 10 , 14  
(d) 9 , 49

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8. 4 (apples)

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9. 6

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10. (a) 0.039  
(b) -8  
(c)  $\frac{1}{8}$   
(d) 0.22



11. (a)  $-3\text{ }(^{\circ}\text{C})$   
(b)  $12\text{ }(^{\circ}\text{C})$

12. Hannah (... did better because ...)  
Freya's score in percentage =  $16/20 * 100\% = 80\%$   
Hannah scored 85% which is higher than Freya's 80%. So Hannah has done better in the exam.

13. (a) 13 , 17  
(b) 20 , 8  
(c) 24 , 96  
(d) 9 , 36

14. (a)  $45^{\circ}$   
(b)  $135^{\circ}$

15. 155 (minutes)

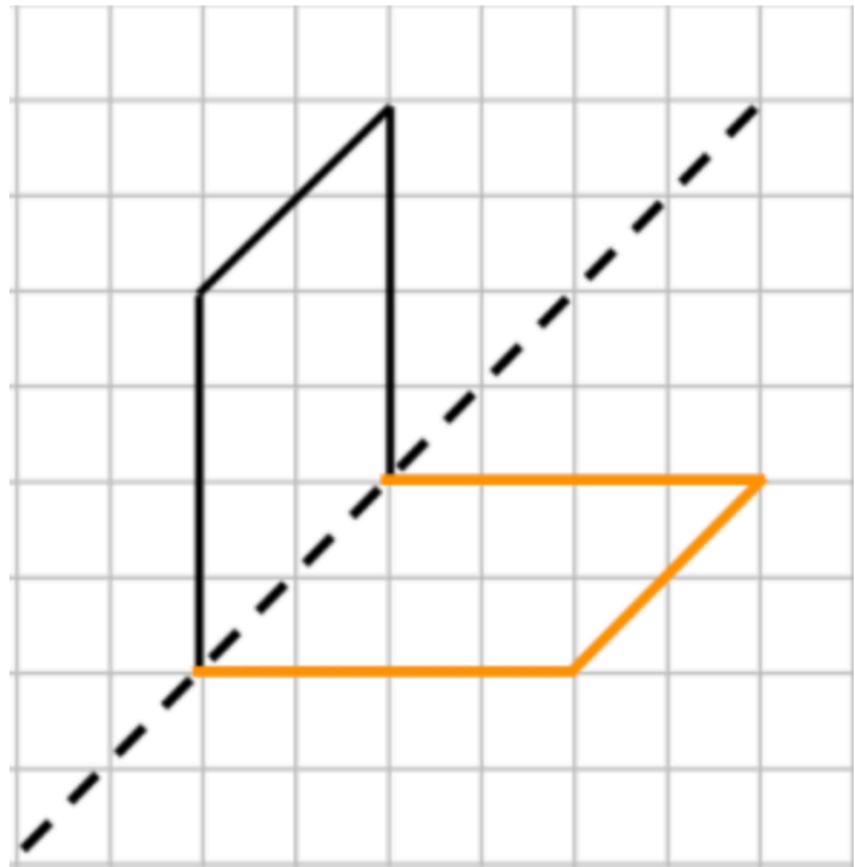
(a)

16.

	Tennis	Football	Hockey	Swimming	<b>TOTAL</b>
Boys	5	12	2	6	25
Girls	8	5	12	10	35
<b>TOTAL</b>	13	17	14	16	60

(b) 0.23

17.



18. 0.92

19. (a)  $\frac{1}{4}$   
(b) 30 people

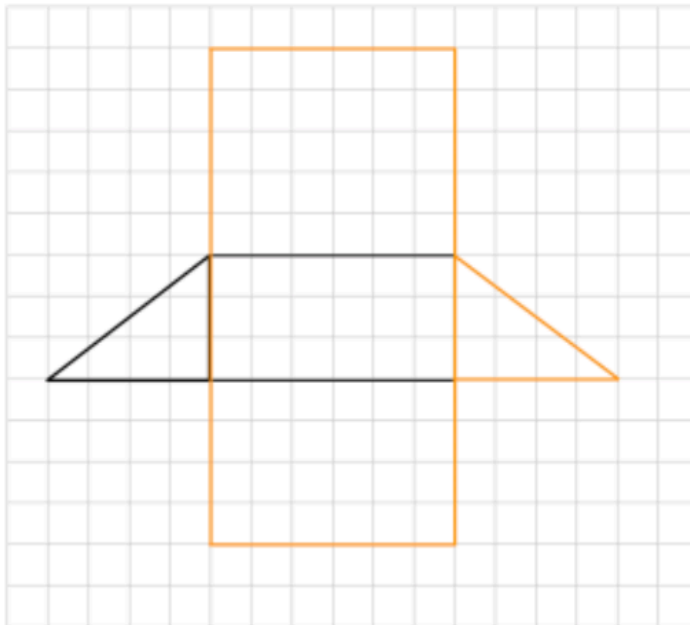
20. £ 57.5

21. 12 friends

22. (a) 3.7 (m)  
(b) 3700 (mm)

23. (a) 540 (g)  
(b) 60 (cupcakes)

24.





25. 20% of £75 is cheaper  
25 of £64 =  $64 * 25/100 = 16$   
20% of £75 =  $£75 * 20/100 = £15$

26. (a) 8  
(b) 4

27. 56 (cm)

28. Super Tickets < Ticket Glaore < Ticket R US < Top Ticket