



City of London School for Girls: 11+ Maths Sample (2016)

School: City of London School for Girls

Subject: Maths

Level: 11+

Time: 75 mins

Type: Sample Paper

Year in use: 2016



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Q.	Answer	Solution
1.	5018	
2.	1094	
3.	21602	
4.	764	
5.	17.5 °C , -6 °C	
6.	a. 25 b. 6	



7.	a. Obtuse b. 133°
8.	963
9.	1314
10.	a. $\frac{1}{2}$ b. $\frac{3}{8}$
11.	a. 39600 b. 40000
12.	a. Trapezium b. Inadequate information to solve
13.	Pyramid Prism
14.	a. 13 , 17 b. 9 , 16 c. 14 d. 8
15.	$0.45 > 0.415 > 0.4050 > 0.401 > 0.045$
16.	$12 \times 4 = \underline{38} + 10 = 63 - \underline{15}$
17.	97.5



- a. $\frac{1}{2}$
- b. $\frac{13}{18}$
- c. $\frac{3}{2}$

18.

- a. 5.25
- b. 5 packs

19.

20. £3.49

20.

- a. 8°C
- b. -2°C

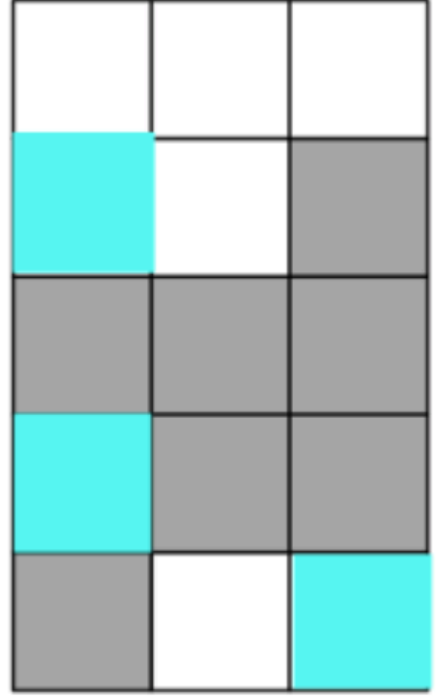
21.

22. 42 cm

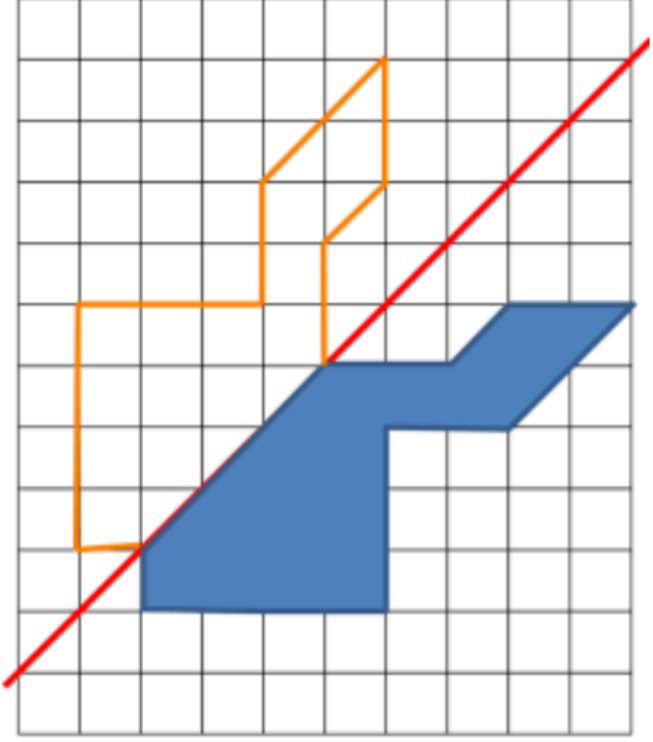
22.

23. 14 cm^2

23.



24.



25.

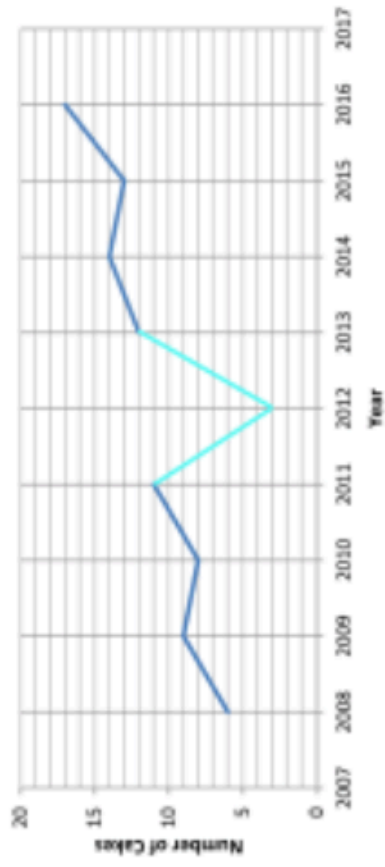
26. 7 pints

27. a. 17 mins
b. 36 mins
c. 0755

28. a. 12.7 cm
b. 2.5 cm

29. a. 11565
b. 4626
c. 128.5

Number of cakes sold by the Maths department



a.

30.

b. 2 cakes

a. 24 , 12 , 6 , 3 , 1.5

b. 7 , 8 , 10 , 14 , 22

c. 2.8 , 3.6 , 4.4 , 5.2 , 6

31.

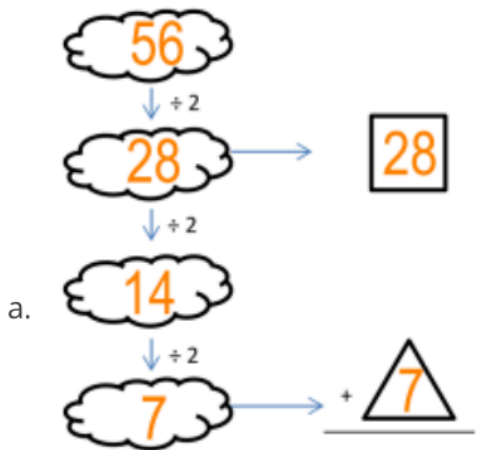
a. $\frac{3}{10} < \frac{2}{5} < \frac{3}{4} < \frac{8}{9}$

b. $\frac{5}{4} < 1\frac{1}{2} < 1.6$

32.

£27

33.



34.

Answer: 88 km is the same as **35** miles

- b. 1/2
- c. 1/8
- d. 5/8

a.



35.

b.

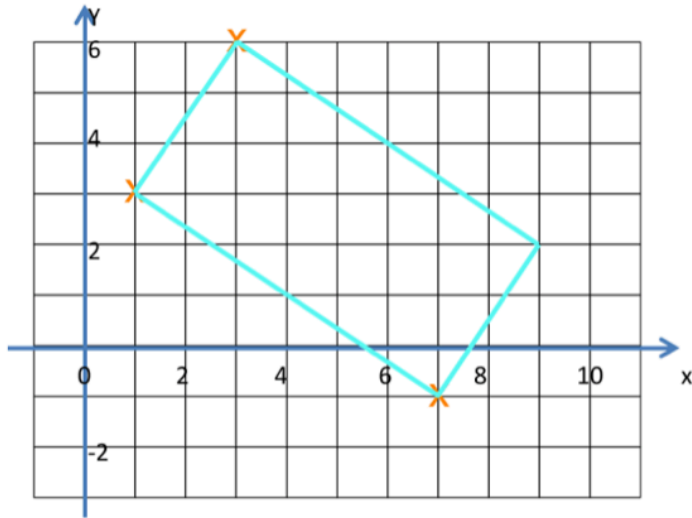
Shape				
Number of diagonals	2	5	9	14

c. 35 diagonals



36. 3 pupils

37.



(9, 2)

Answer:

38.

- a. £0.62
- b. £3
- c. £1.44
- d. £8.69

39.

5

40.

- a. 15 Sip
- b. 14 Lips

41.

- a. 28 marks
- b. 6 Questions
- c. a) 5 b) 3 c) 2

42.

44 sweets

43. 3 cm , 6 cm and 7 cm

44. 4490

45. 4 , 4 , 7 , 9

46. 66 tiles

4	9	2
3	5	7
8	1	6

a.

$b + \frac{1}{2}a$	b^2	a
b	$a+3$	$2xa+b$
a^3	$b-a$	$2x(a+1)$

b.

47.



48.

