



Haberdasher's Askes' Boys' School: 11+ Maths Paper 2011



School: The Haberdasher Askes' Boys' School

Subject: Maths

Level: 11+


Time: 60 mins

Type: Past Paper

Year in use: 2011

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| Q.  | Answer  | Solution  |
|---|--|--|
| 1. | 75 | |
| 2. | 66 | |
| 3. | 434 | |
| 4. | 23 | |
| 5. | 52p | |
| 6. | 50 ml | |



7. 52272

8. £46200

9. 7400 g

10. (smallest) 0.099, 0.491, 0.5, 1.072, 32.043 (largest)

11. 90 hours

12. 7325

13. 0.4

14. 70 hours

15. Browning toast and making coffee can happen at the same time.
4 mins

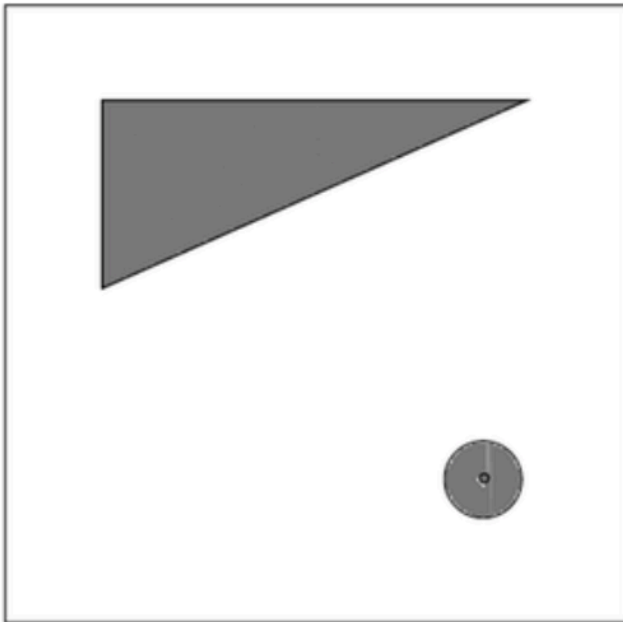
16. 60

17. £660
£1000

18. 45 km
19:18



19.



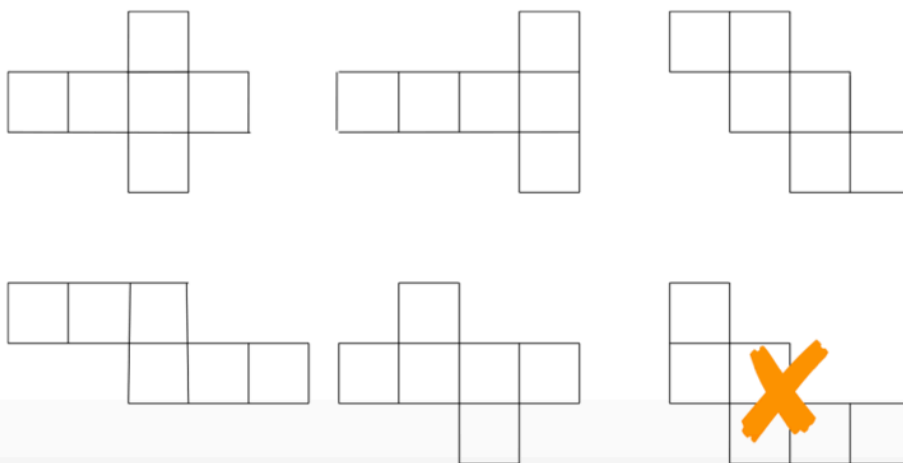
20.

20 mins
200 l/min
same

21.

ADCB, ADBC
24

22.





23.

Saving = US\$ 30 and £ 20

24. NZ\$ 200

1 New Zealand dollar (NZ\$) = 0.75 American dollars (US\$)

25.

| Position | Child |
|----------|-------|
| 1st | C |
| 2nd | D |
| 3rd | A |
| 4th | E |
| 5th | B |
| 6th | F |
| 7th | G |

1
2
4
8

26.

Maximise the change of picking an apple: B
Minimise the chance of picking a pear: E

27.

Square number 3 : (3,5)
square number 4 : (4,7)
square number 5 : (10,19)
square number 234 (235, 467)

28.

x-coordinate of the centre of the square where the y-coordinate is
 $2177 = 1089$

30

15

15

7

8

7

1

6

2

5

29.

101

54

47

29

25

22

12

17

8

14

30.

Shaded area = 12 square units

Shaded area = 5 square units