

# Alleyn's School: 11+ Maths Sample Paper 2016

**School:** Alleyn's School

**Subject:** Maths

**Level:** 11+

**Time:** 60 mins

**Type:** Sample Paper

**Year in use:** 2016

[Download Paper](#)



[Hide Answers](#)

## Part A

Q  Sample Answers 

1. (d)

2. (d)

3. (d)

4. (d)

5. (d)

6. (c)

---

7. (b)

---

8. (c)

---

9. (c)

---

10. (a)

---

11. (a) 541  
(b) 149  
(c) 1824  
(d) 823

---

12. (a)  $\frac{2}{5}$   
(b)  $\frac{9}{10}$   
(c)  $\frac{1}{4}$   
(d)  $4\frac{5}{8}$

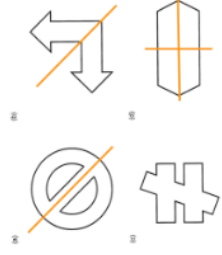
---

13. (a) 19 , 23  
(b) 26 , 22  
(c) 22 , 29  
(d) 30 , 20  
(e) 96 , 192

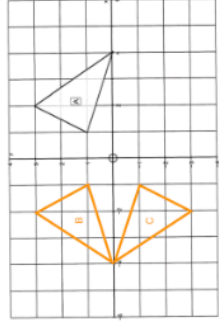
---

14. 5.67 , 5.76 , 6.57 , 7.56 , 57.6 , 67.5

---



15.



16.

(a) 12

(b) 14

(c) 3

17.

(a) 3.7

(b) 40 cm

(c) 1.2

18.

(a) 128 cm

(b) 25 (bags)

19.

Time Number	1	2	3	4	5	10
Multiples Needed	4	7	10	13	16	31

$$M = 3 \times T + 1$$

20.

21. 42 (stickers)

(a)  $1/3$

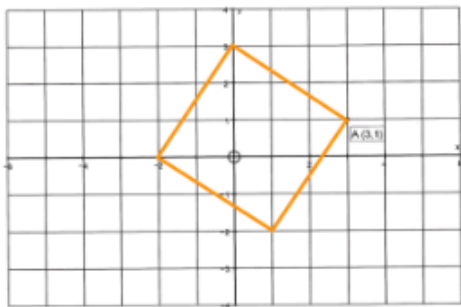
(b)  $2/3$

(c) 0

22.

23. (a) 3.6  
(b) 1.35

24. (a), (b)



- (c) D (1, -2)  
(d) 13

25. (a) 6 km  
(b) 18 km  
(c) 1 and a half hours  
(d) 5:30 and 6

26.

$$\begin{array}{r}
 \begin{array}{cccc}
 \textcircled{5} & \textcircled{8} & \textcircled{3} & \textcircled{2} \\
 & & \times & 3 \\
 \hline
 \textcircled{5} & \textcircled{8} & \textcircled{3} & \textcircled{2} & \textcircled{6}
 \end{array}
 \end{array}$$