

# RANDOM 11+ QUESTIONS

## Test 3 (CEM)

1.  $\frac{1}{4}$  of the children like tennis.  $\frac{1}{3}$  like athletics.  $\frac{1}{8}$  like swimming. The remaining 14 children like dancing. How many children altogether?

A. 64  
B. 36  
C. 24  
D. 72  
E. 48

2. The difference between the perimeter and the area of a square is 140. What is the length of one side?

A. 9cm  
B. 15cm  
C. 12cm  
D. 8cm  
E. 14cm

3. A right angle triangle has sides of 3cm, 4cm and 5cm. A square has sides of 4cm. What is the difference in their areas?

A.  $2\text{cm}^3$   
B.  $4\text{cm}^3$   
C.  $6\text{cm}^3$   
D.  $8\text{cm}^3$   
E.  $10\text{cm}^3$

4. What is the product of  $2^3$  and  $3^3$ ?

A.  $5^2$   
B.  $6^3$   
C.  $7^2$   
D.  $8^3$   
E.  $9^2$

5. Nothing could or would be the same again. It had been a disaster beyond compare, but that didn't mean that everything was lost. There was a small flickering light at the end of a very long tunnel. They just needed to believe.

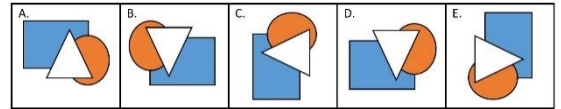
Which of the following is true?

- A. It was a total disaster.  
B. They were going through a long tunnel.  
C. Everything would stay the same.  
D. They were still optimistic.  
E. There was a small flickering light.

6. 180g of flour is needed to make 12 biscuits. How much would you need to make 17?

A. 255g  
B. 235g  
C. 275g  
D. 225g  
E. 285g

7. Which one of these patterns cannot be made by rotating the other four?



8. Which of these words is most unlike the other four?

A. Frugal  
B. Thrifty  
C. Economical  
D. Benevolent  
E. Austere

9. What is the 137th number in this sequence?

3, 5, 7, 9, 11

A. 271  
B. 273  
C. 275  
D. 277  
E. 279

10. Which of the following is the cheapest?

A. 90% of £80  
B. 70% of £102  
C. 60% of £122  
D. 65% of £114  
E. 43% of £170

## Answers

1. E
2. E
3. E
4. B
5. D
6. A
7. D
8. D
9. C
10. B

If you need help with any of these questions, take a look at the Facebook group. Find the specific question and read the comments or ask if you're still not sure.

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