



Final Test

24th September 2020

question no.	1	2	3	4	5	6	7	8	9	10
Marks										

question no.	11	12	13	14	15	16	17	18	19	20
Marks										

question no.	21	22	23
Marks			

SCORE OBTAINED	
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Section A

Tick (✓) the correct answer in each question.

Each question carries 2 points.

1. What is 6060 divided by 60?

a. 10

b. 11

c. 101

d. 1010

2. The 7-digit number 784567A is divisible by 9, what is the value of A?

a. 2

b. 8

c. 9

d. None of the above.

3. How many even numbers are there between 101 and 299?

a. 97

b. 98

c. 99

d. 100

4. Greg weighs 50·2 kg.
Hannah weighs $57\frac{2}{5}$ kg.
What is the **difference** in their mass?

a. 7·05 kg

b. 7·5 kg

c. 7·02 kg

d. 7·2 kg

5. $4\frac{3}{8} =$

a. 4·3

b. 4·125

c. 4·375

d. 4·38

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6. Work out.

$$(36 \times 16) - (24 \times 16) - (16 \times 11) = ?$$

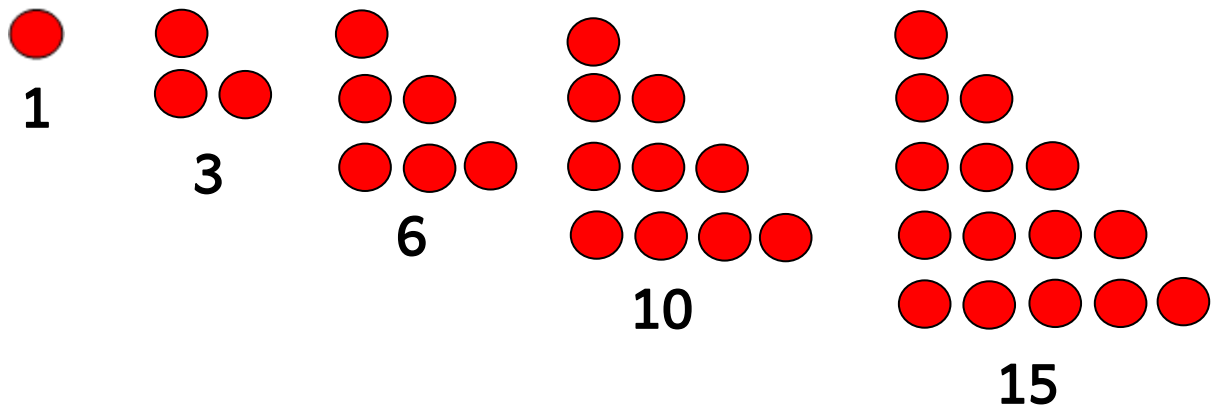
a. 1

b. 4

c. 16

d. 32

7. The figure below shows the first five **triangular numbers**.
 1, 3, 6, 10 and 15 are the first five triangular numbers?

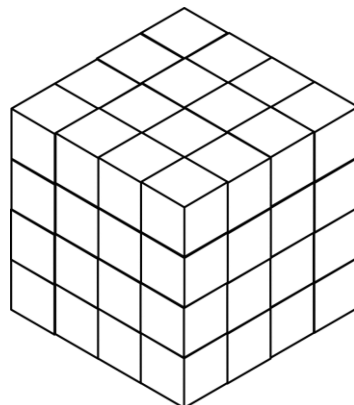


What is the **twentieth (20th)** triangular number?

- a. 200
- b. 205
- c. 210
- d. None of the above.

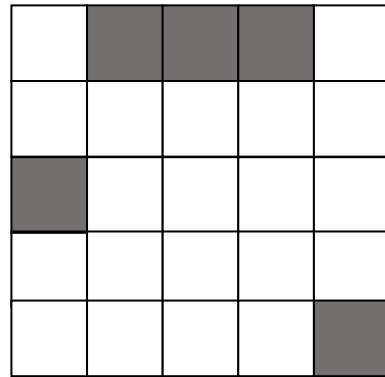
8. A **big cube** is made up of **64 small cubes**.
 All the faces of the big cube are then painted.
 How many of the **small cubes** will have **exactly two painted faces**?

- a. 22
- b. 24
- c. 26
- d. 28



9. What is the **least number of squares** that need to be shaded so that the figure below has **one line of symmetry**?

- a. 1
- b. 2
- c. 3
- d. 4



10. George paid **€6.50** using **exactly 25 coins**.
Some coins were **50c coins** and all the other coins were **20c coins**.
How many **20c coins** did George use?

- a. ten 20c coins
- b. fifteen 20c coins
- c. twenty 20c coins
- d. twenty five 20c coins

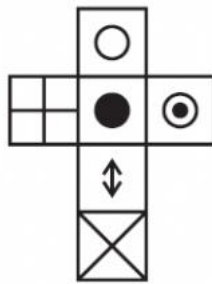
11. Which of the following is the **same as 7.7 m**?

- a. 77 cm
- b. 707 cm
- c. 770 cm
- d. 7700 cm

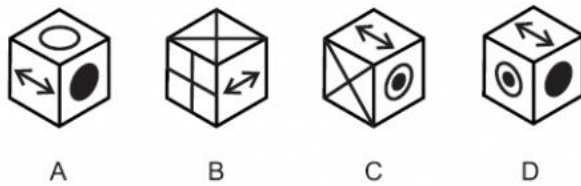
12. In a particular year, **September had exactly 5 Sundays and 5 Mondays.**
 In that particular year, **1st September** was a:

- a. Monday
- b. Tuesday
- c. Saturday
- d. Sunday

13. Look carefully at the net below.



Which **cube** can be made from net above **A, B, C** or **D**?



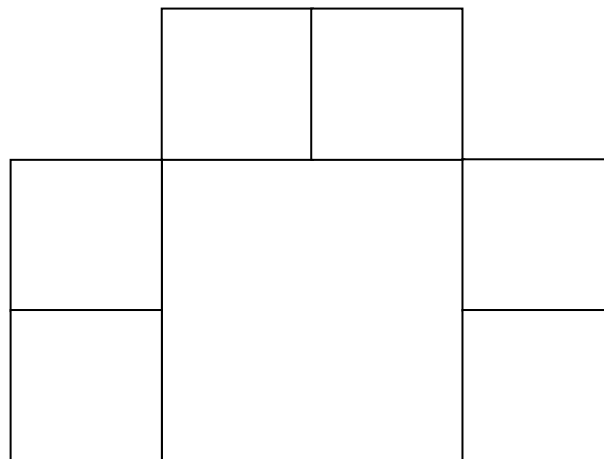
- a. A
- b. B
- c. C
- d. D

14. After turning $2\frac{1}{2}$ right angles clockwise, Marco is facing South.
What **direction** was Marco facing **before** he turned?

- a. NE
- b. NW
- c. E
- d. W



15. The figure below is made up of 7 squares.
Its **area** is 160 cm^2 .



This diagram is
not to scale.

Which of the following is the **perimeter** of the same figure?

- a. 40 cm
- b. 52 cm
- c. 56 cm
- d. None of the above.

16. Jack ate $\frac{2}{5}$ of a pizza.

The **remaining pizza** was shared **equally between Matt and Zack**.

Matt and Zack ate their share of pizza.

What **fraction of the pizza** did **Zack** eat?

a. $\frac{1}{2}$

b. $\frac{1}{5}$

c. $\frac{2}{5}$

d. $\frac{3}{10}$

17. How many **minutes** are there from **22:35 today** to **04:15 tomorrow**?

a. 320 minutes

b. 340 minutes

c. 1020 minutes

d. 1100 minutes

18. **6 players** are participating in a chess tournament.

Their names are Andrew, Ben, Carl, Diane, Elisa and Fiona.

Each player has to play one game with every other player.

Note: Ben and Carl have already played against each other.

The table below shows the games played till now.

Players	Andrew	Ben	Carl	Diane	Elisa	Fiona
Games played	5	3	3	5	3	

How many **games** has **Fiona** played till now?

a. 1 game

b. 2 games

c. 3 games

d. We cannot tell.

19. One of the three sisters Amanda, Bertha and Carla broke mum's mobile by dropping it.

Mum wished to know the truth.

Read the conversation below carefully.

Mum: Who broke my mobile?

Amanda: Bertha broke your mobile mum.

Bertha: I broke your mobile mum.

Carla: Amanda broke your mobile mum.

Mum was confused.

Who broke
my mobile?



Who broke mum's mobile if only one of the three sisters was telling the truth?

- a. Amanda
- b. Bertha
- c. Carla
- d. We cannot tell.

Section B

Show your working.

Each question carries 3 points.

20. A box contains yellow, blue and red bean bags.

$\frac{1}{4}$ of the bean bags are yellow.

Two thirds of the bean bags are blue.


The remaining 5 bean bags are red.

How many yellow bean bags are there in the box?

yellow bean bags

21. Look carefully at the figures below.


Identify a pattern.


Work out the value of .



5	6
15	

6	9
27	

11	12
66	

14	15
	

 =

22.  \div  = 7 r 4

Which is the **smallest possible value** of  ?

The **smallest possible value** of  is

23. The **product** of three square numbers is 900.
What is the **sum** of these three square numbers?

The sum is

End of test