



SMART CHALLENGERS

SMART CHALLENGERS QUESTIONS – APRIL 2020

1. A monkey ascends a greased pole 21 meters high. In the first minute he ascends 5 meters and in the next minute descends 3 meters. If he continues this process, in how many minutes will he reach the top?

- A.17
- B.18
- C.25
- D.28
- E.30

Ans-

2. Which number should replace the question mark "?"

17	8	5	5
13	7	5	4
6	12	6	3
10	6	4	?

- A .4
- B. 5
- C. 6
- D. 7

Ans

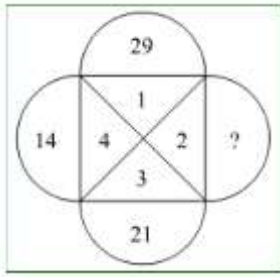
3. Bill Mason walks into an antique store and steals 1000\$ bill from the store. 30 Minutes later, Mason returns back to the antique store and buy an antique watch priced at \$700. Mason pay with the bill he has stolen and the owner returns him \$300.

How much money did the owner lose?

- A.1700
- B.1000
- C.1300
- D.300

ANS:

4. Which number replaces the question mark in the picture below ?



- A.24
- B.25
- C.28
- D.26

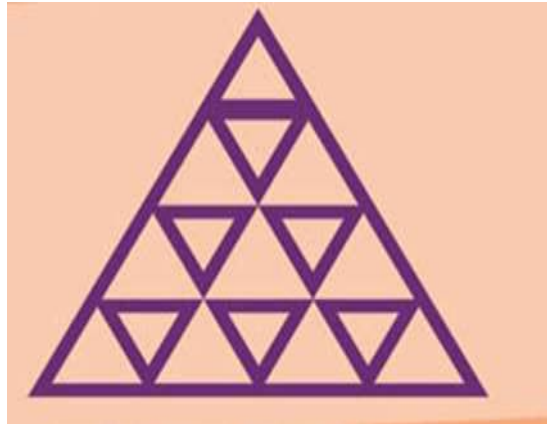
Ans-

5.What 5-digit number has the following features: If we place an extra numeral 1 at the beginning, we get a number three times smaller than if we put that numeral 1 at the end of the number.

- | | |
|---|-------|
| A | 42800 |
| B | 42850 |
| C | 42857 |
| D | 43857 |

Ans:

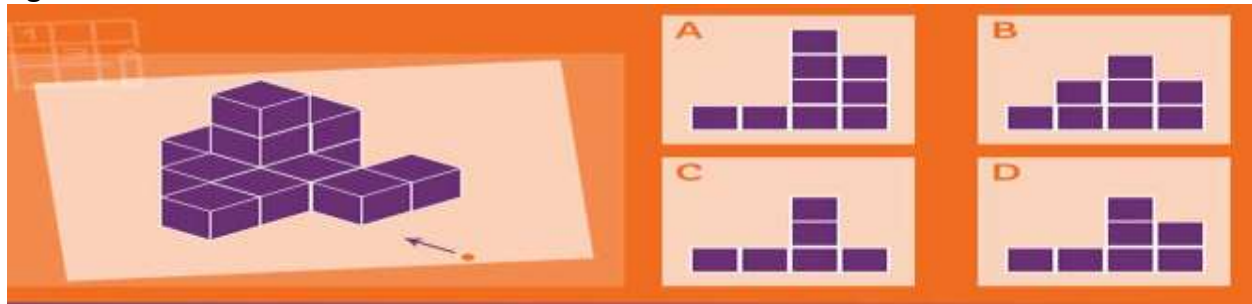
6.How many triangles are in this figure?



- | | |
|---|----|
| A | 27 |
| B | 25 |
| C | 26 |
| D | 28 |

Ans:

7.View the blocks on the left from the orange point and direction of the arrow. Which image on the right is the correct view?



Ans:

8. Which accurately describes the function of the chipset on a Motherboard?

A	The chipset is responsible for controlling data transfer to the hard disk only.
B	The chipset is responsible for controlling the transfer of data to and from computer peripherals.
C	The chipset is responsible for transferring data from the monitor to the CPU
D	The chipset allows the computer to select the operating system to use.

Ans:

9 What happens for each extra day that goods are kept in ware house?

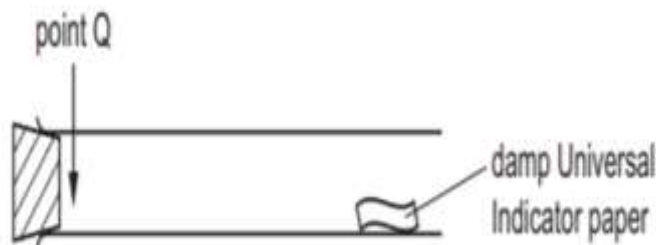
A	Interest is lost on the capital invested on goods
B	More interest is gained on the capital invested on goods
C	More transport is needed for moving goods
D	Warehousing bill for the good is reduced

Ans:

10. The Organelles of eukaryotic cells that are bounded by cell membrane are

A	Mitochondria
B	Endoplasmic reticulum
C	Chloroplasts
D	All of above

11. A gas is released at point Q in the Apparatus shown



Which gas changes the color of damp Universal Indicator paper more quickly?

	GAS	Relative molecular mass
A	Amonia	17
B	Carbon dioxide	44
C	Chlorine	71
D	Hydrogen	2

Ans:

12. When a solid is melting , the temperature remains constant even though heat is being supplied because,

A	The heat is being used to break up the intermolecular bonds.
B	The solid is not absorbing any heat.
C	The molecules are moving faster.
D	The molecules are further apart.

Ans:

13. Which of the following represents social cost of construction in the neighbourhood

A	Private costs + Private benefits
B	Private benefits + External benefits
C	Private costs + External cost
D	Private costs – Private benefits

Ans:

14 . For the sentence below, find the correct coordinate adjectives that would best describe the noun.

The winters in the north can be very _____ and _____.	
A	Cold and Snowy
B	warm and freezing
C	Long and northern
D	Subtle and teachers
Ans	
15. Write the correct synonym to replace the underlined word. She was very <u>flippant</u> with her grandmother.	
A	Silly
B	Angry
C	Disrespectful
D	Agreeable
Ans	
16. Which noun is an abstract noun? hospital, hospitality, hospitable, inhospitable	
A	Hospital
B	Hospitality
C	Hospitable
D	Inhospitable
Ans	
17. Find the collective noun in the following sentence. The congregation greeted the bride and bridegroom.	
A	Bride
B	Bridegroom
C	Congregation
D	Greeted
Ans	
18 Which one of the following sentences would be a good topic sentence (first sentence) for the paragraph below?	
A	Burn injuries must be treated immediately.
B	Don't burn yourself on the iron.
C	Three men were burnt in a factory fire.
D	He has a burning passion for chocolate fingers.
Ans	
19. The creaking stairs made her jump in fear.	
A	Simple verb
B	Participle
C	Gerund
D	Infinitive
Ans:	
20. Her perfume had the best _____ I have ever smelled (same words spelled differently)	
A	cent
B	sent
C	scent
D	since
Ans:	