



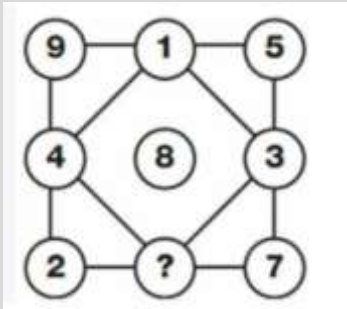
SMART CHALLENGERS

SMART CHALLENGERS QUESTIONS – October 2021

1. What happens to the cash flow of a business at the growth stage of the product life cycle?	
A	The cash flow should become more positive
B	Cash flow is likely to be negative because money has to be spent on research and development
C	Sales will fall and cash flow will drop
D	There may be a need to spend money re-promoting the product. As a result, cash flow may begin to fall.
2. Identify the factor that played an unforeseen, important role in the Vietnam War?	
A	The Soviet Red Army
B	Cuban guerrilla fighters
C	The American media
D	The Roman Catholic Church
3. A chemistry class determines that each atom of a metallic element contains 26 protons and 30 neutrons. When the teacher asks the class what the element is, half the class says “iron” and half the class says “zinc.” What is the element?	
A	Iron, because iron’s atomic number is 26.
B	Zinc, because zinc’s atomic number is 30.
C	Iron, because the atomic weight of the substance is 66.
D	Zinc, because the atomic weight of the substance is 56.
4. Android version names are _____ and have been in alphabetical order since 2009.	
A	rock star themed
B	flower-themed

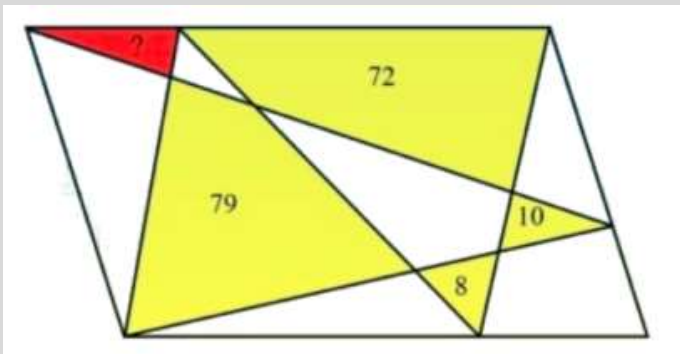
C	confectionery-themed
D	president-themed

5. Replace the question mark in the above problem with the appropriate number.



A	2
B	5
C	1
D	6

6. Find the area of the red triangle.



A	8
B	9
C	10
D	7

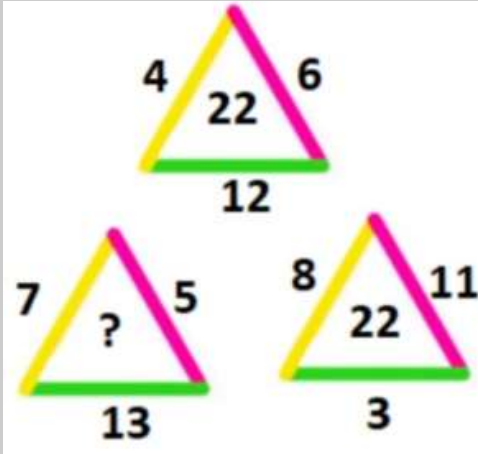
7. There is a three-digit number. The second digit is four times as big as the third digit, while the first digit is three less than the second digit. What is the number?

A	282
B	241
C	141
D	251

8. What digit is the most frequent between the numbers 1 and 1,000 (inclusive)?

A	0
B	1
C	2
D	9

9. Solve the puzzle.

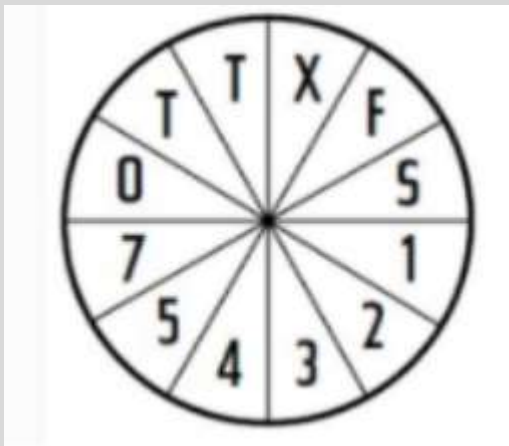


A	27
B	25
C	23
D	22

10. How many cases do you need if you have to pack 112 pairs of shoes into cases that each hold 28 shoes?

A	10
B	12
C	8
D	28

11. What is x?



A	F
B	O

C	T
D	S
12. Which of the following is written correctly?	
A	On entering, refreshments were being served in the room
B	On entering the room ,refreshments were being served
C	On entering the room, I found that refreshments were being served.
D	
13. select the correct answer	
A	He is an alumnus of Harvard.
B	He is an alumni of Harvard.
C	He is an alumuna of Harvard
D	all are correct
14. What is common between these words – trousers, riches, athletics, and scissors?	
A	They are all related to the field of sports
B	They are all plural nouns
C	They are all spelled incorrectly
D	They are adjectives
15. Why is the HR department sending this email? “ Fine Foods requires an agent to: Job opportunity: FINEFOODS” Description: Agent required for nationwide distribution. Some experience in food retail is an advantage. Refrigerated van provided.	

A	Own a suitable vehicle for delivery
B	Be a specialist in food distribution
C	Deliver goods all over the country
D	All are correct

16. Read the paragraph and fill in the blanks with correct words from the list given:

Crash Course in satisfying your customers

You suspect that your customers aren't as happy as they once were. First, existing customers seem to be _____ you for the competition almost as fast as you can get new ones. Second, your company has started to become the butt of bad jokes at conferences and in the press. So how do you set about measuring, and improving, your customers' satisfaction?

A	Departing
B	abandoning
C	defecting
D	withdrawing

17. Read the paragraph and fill in the blanks with correct words from the list given:

Reid Joinery – experts in wood

Reid Joinery was established by Gordon Reid 15 years ago as a small company specialising in wooden structures, from floors to staircases. Since then, we have evolved significantly. We attribute our success to the dedication and expertise of our workforce, which _____ from six apprentices to permanent employees who are highly qualified and experienced.

A	Ranges
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B	spreads
C	distributes
D	expands

18. Which statement is a judgment, not a fact?	
A	That production of Hamlet was first-rate; you'll never see it done better.
B	That production of Hamlet was first-rate; it was cited as such in the Daily News.
C	That production of Hamlet was first-rate; it won an award this year.
D	That production of Hamlet was first-rate; 94% of audience members interviewed after the show agreed.

19. In the absence of air resistance, if an object were to fall freely near the surface of the moon,	
A	its acceleration would gradually decrease until the object moves with a terminal velocity.
B	the acceleration is constant.
C	it will fall with a constant speed.
D	the acceleration is zero.

20. Which of the following is true for supply?	
A	Price and the amount supplied are inversely related.
B	If price falls, the quantity supplied will also fall.
C	If price increases, the supply curve will shift to the right

D	Agricultural goods have elastic supply in the short period.

21. What is the structural and functional unit of life	
A	Tissues
B	Organs
C	Cells
D	Organelles