



SMART CHALLENGERS

SMART CHALLENGERS QUESTIONS –April 2021

1. Which is the fruit and Greek letter combination used to name the 2012 released credit-card sized computer created by volunteers to help teach children to code?

A Alpha Strawberry

B Raspberry Pi

C Android 3.0 Honeycomb

D Blackberry Beta

2. A ball rolls off the edge of the table. The horizontal component of the ball's velocity remains constant during its entire trajectory because

A the ball is not acted upon by a force in the horizontal direction.

B the ball is not acted upon by any force.

C the ball is not acted upon by any force in the vertical direction.

D the net force acting on the ball is zero.

3. Which of the following is not a nitrogenous fertilizer ?

A Ammonium sulphate

B Superphosphate

C Urea

D Ammonium nitrate

4. Which of the following trees is salt tolerant and also protects from natural disasters like Tsunami?

A Coconut

B Mangroves

C Austrian Pine

D Holm Oak

5. A farmer applies to a commercial bank for a loan to buy a tractor. What will a bank not take into consideration before agreeing to the loan?

A amount of cash in the farmer's current account

B collateral security offered by the farmer

C farmer's existing financial commitments

D rate of interest charged by other banks

6. What is the value of the missing number "?" in the lunar diagram below?



A 9

B 8

C 16

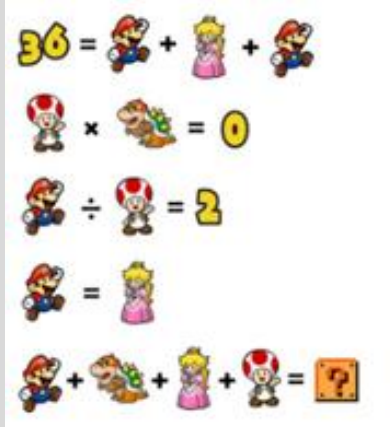
D 2

7. Which deal gets you the most pizza (if each deal costs the same amount):

- One 18" Pizza Pie OR
- Two 12" Pizza Pie

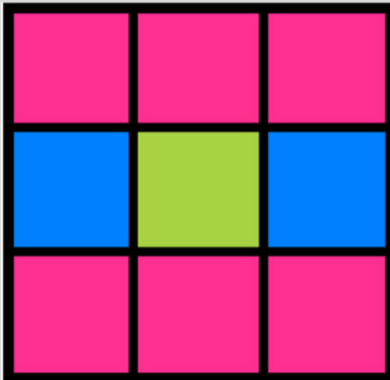
- | | |
|----------|-------------------------|
| A | One 18" Pizza Pie |
| B | Two 12" Pizza Pie |
| C | Both will give the same |

8. Find the value of each symbol and “?”




- | | |
|----------|--|
| A | Mario=10, Peach=6, Toad=0, Bowser=6, ?=24 |
| B | Mario=14, Peach=14, Toad=6, Bowser=0, ?=32 |
| C | Mario=24, Peach=12, Toad=6, Bowser=0, ?=28 |
| D | Mario=12, Peach=12, Toad=6, Bowser=0, ?=30 |

9. _How many rectangles?



- | | |
|----------|----|
| A | 36 |
| B | 14 |
| C | 30 |

D	40
10. What is the missing number?	
	
A	4
B	8
C	1
D	2
11.If a = 11(242)121, b = 14(392)196 then, find c = 13(?) 169	
A	338
B	225
C	337
D	119
12. If GUN= 42 and ME=18 then, HOME=?	
A	21
B	31
C	41
D	51
13. Which of the following is likely to cause demand-pull inflation?	
A	Falling consumer spending fuelled by higher taxes

B	A substantial fall in exports
C	Rapid increases in government spending
D	A rise in interest rates
14. 1. Which of the following will correctly fill in the blanks? Whether..... my fault or yours, we have to take the bike to get..... tires fixed; otherwise going to be a long walk to school tomorrow!	
A	its / its / it's
B	it's / its / it's
C	it's / it's / it's
D	it's / its / its

15. Choose the best word to complete the analogy. Resign: Director: Abdicate:	
<u>A</u>	Ruler
<u>B</u>	Referee
<u>C</u>	Athlete
<u>D</u>	Quit

16. identify the figure of speech My uncle passed away in 1970

A	synecdoche
B	metaphor
C	personification
D	euphemism

17. Scenario: After taking the test, you walk out of the room complaining about how badly you scored because you didn't feel like you studied hard enough. You blame both the test and the teacher because of you score. Your teacher looks at you and says, "Well, looks like you tried your best on that one." Which of the following does this scenario best represent?

A	similie
B	metaphor
C	irony
D	hyperbole

18. I've just finished reading a story called Dangerous Game. It's about a man who his wife because he doesn't want to lose her

<u>A</u>	kills
<u>B</u>	is killing
<u>C</u>	killed

<u>D</u>	kill

19. Determine which type of conflict is represented in the following passage: "He's not foreign! He was born in this country just like you were." "Doesn't matter. We don't want him here."	
A	man vs man
B	man vs self
C	man vs nature
D	man vs society

20. As Kammi woke up, she remembered that it was the morning of her birthday. She was giddy with excitement as she thought about all the things she was going to do that day. Using context clues to help you, what does "giddy" mean in this passage?	
<u>A</u>	disappointed
<u>B</u>	thrilled
<u>C</u>	nervous
<u>D</u>	worried