

Category 2 Sample Question

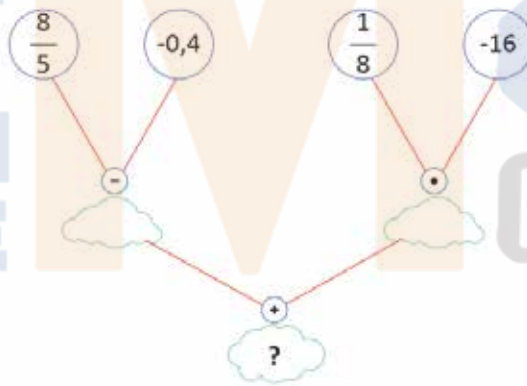
1. A horse trainer has some carrots for the horses. He gives each horse 4 carrots and has 2 carrots left over. If he wants to give each horse 6 carrots, he needs another 22 carrots. How many horses are there in his stables?

- a) 4
- b) 5
- c) 11
- d) 12

2. Calculate the expression $10 \times 4 - 2 \times (4^2 \div 4) \div 2 \div \frac{1}{2} + 9 = ?$

- a) 47
- b) 41
- c) 22
- d) 9

3.

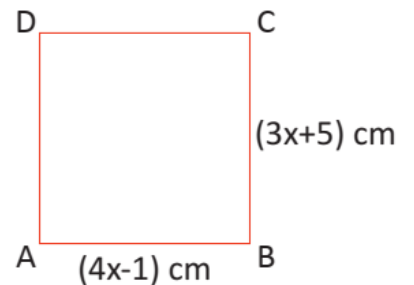


What is the value of ?

- A) -2
- B) 1
- C) 0
- D) -1

4. The above figure is square. Find area of square.

- A) 144
- B) 529
- C) 484
- D) 225



5.

				A
			B	x
		C		
	D			100
E	y		180	250

n table above shown distance between 2 towns.For example distance between A and D is 100.All towns is on same line like A,B,C,D,E .Find x+y.

- A) 160 B) 180 C) 200 D) 220

6. If a and b are consecutive odd integers,where $a > b$, which of the following is equal to $a^2 - b^2$?

- A) 4
B) $2a-4b$
C) $2b+4$
D) $4b+4$

7. In a mixture of flour and sugar, the ratio of flour to sugar is 5 to 3 when measured by cups. How many cups of sugar will be used for 4 cups of this mixture?

- A) 2.5 B) 2 C) 1.5 D) 1

8. . A bag contains 15 tennis balls, 6 of which are yellow, 4 pink, and the rest blue. If one ball is randomly chosen from the bag, what is the probability that the ball is blue?

- A) $\frac{4}{15}$ B) $\frac{1}{3}$ C) $\frac{3}{4}$ D) $\frac{2}{3}$

9. 112223333.....9 is written by using some rules.What is the 32-th digit of given number.

- A) 5 B) 6 C) 7 D) 8

10. Which two points among the choices below have the largest distance between them?

- a) RQ b) AQ c) AP d) AR

