Aptitude - Ratios Online Quiz

Following quiz provides Multiple Choice Questions (MCQs) related to **Ratios**. You will have to read all the given answers and click over the correct answer. If you are not sure about the answer then you can check the answer using **Show Answer** button. You can use **Next Quiz** button to check new set of questions in the quiz.

Q 1 - A certain amount was divided between Sangeetha and Sunita in the 5:4. If Sunita's share was Rs.3600,the amount is :

A - 7900

B - 8100

C - 8300

D - 8500

Answer : B

Explanation

```
Let their shares be Rs. 5x and 4x.
Thus, 4x=3600 =>x=900
Total amount =9x=Rs.8100.
```

Hide Answer

Q 2 - Two numbers are respectively 80% and 60% more than a third number. What is the ratio between two numbers?

A - 7:8

B - 8:9

C - 9:8

D - 4:3

Answer : C

Explanation

```
Let the third number be x
=> The first and second number becomes 1.8x and 1.6x
Their ratio will be 1.8x/1.6x=1.8/1.6=9/8 = 9:8
```

Hide Answer

Q 3 - If A:B =1/2:3/8 , B:C =1/3:5/9 and C:D =5/6:3/4 then , A:B:C:D=?

A - 3:2:4:5

B - 6:8:9:10

C - 8:6:10:9

D - 2:3:4:5

Answer : C

Explanation

```
A:B = 1/2 : 3/8 =4 :3 ,
B:C = 1/3 :5/9 = 3:5
and C:D = 5/6 : 3/4 = 10 :9
A:B = 4:3 , B:C = 3 :5
, C:D = 10/2 :9/2 = 5 :9/2
A:B:C:D = 4:3:5:9/2 = 8 :6: 10 :9
```

Hide Answer

Q 4 - if 0.4 :1.4 ::1.4:x , then x= ?

A - 49

B - 4.9

C - 0.49

D - 0.4

Answer : B

Explanation

```
0.4*X =1.4 *1.4
=> X=1.4*1.4/0.4
=14*14/10*4
=49/10= 4.9
```

Show Answer

Q 5 - On the off chance that a:b = b:c , then (a^4 :b^4) =?

A - b^2:a^2

B - c^2:a^2

C - a^2:c^2

D - a^2:b^2

Answer : C

Explanation

```
Given : a/b = b/c
=> b²=ac.
∴  a⁴  / b⁴  =    a⁴ / (b²)²
=  a⁴ / (ac)² = a⁴ / a²c² =a²/c²
> (a⁴  :b⁴  )= (a²:c²)
```

Hide Answer

Q 6 - In a class, the no. of young women is 20% more than that of the young fellows. The class' quality is 66. If 4 more young women are admitted to the class, what will be the no's extent of young fellows to that of the young women?

A - 1:2

B - 1:4

C - 3:4

D - 3:5

Answer : C

Explanation

```
Let the number of boys be x.
Then the no. of girls = 120% of x = (120/100 *X)= 6X/5 .
X+6x/5 =66
=> 5x+6x=330
 => 11x= 330
```

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=> x= 3
 Now, the no. of boys= 30 , no. of girls =[6/5*30 +4]=40
 Now the ratio of boys and girls = 30/40 = 3/4 =3:4
```

Hide Answer

Q 7 - What ought to be added to each of the four numbers 6, 14, 18, 38 to make them corresponding?

A - 1

B - 2

C - 3

D - 4

Answer : B

Explanation

```
Let the number to be added be x. Then,
6+X/14+x=  18+x/38+x
=>  (6+x) (38+x)= (14+ x) (18 +x)
=>  228 +44x+x2 = 252+32x+x2
= 12x=24
=>  x=2 .
∴ the required number is 2.
```

Show Answer

Q 8 - Rs. 355 were separated among A, B,C in a manner that A had Rs. 20 more than B and C had Rs.15 all the more than A . What amount was C offer?

A - 100

B - 120

C - 135

D - 150

Answer : C

Explanation

```
Suppose B gets Rs. X. Then, A gets Rs. (x+20) and C gets Rs. (x+35)
∴ x+20+x+x+35= 355 => 3x=300
=>x=100
 ∴ C share= (100+35) =135.
```

Show Answer

Q 9 - An entirety of cash is isolated among A, B and C in a manner that to every rs. A gets 100, B gets 65 paisa and C gets 35 paisa. If C offer is 28, the total is:

A - 120

B - 140

C - 160

D - 180

Answer : C

Explanation

```
A:B:C=100:65:35 = 20:13:7
If C share is 7, sum is (20+13+7).
If C share is 28, sum is (40/7*28)= 160
```

Hide Answer

Q 10 - Rs 3068 are circulated among A,B and C such that on diminishing Their shares by Rs 10,Rs 14 and Rs 20 individually, the parity cash would be isolated among then in the proportion 5:6:7. at that point ,B offer is:

A - 864

B - 1022

C - 2014

D - 1064

Answer : B

Explanation

Money in the ration 5:6:7 is Rs (3068 -44) =Rs 3024.

∴B share =Rs{(3024*6/18)+14}=Rs(1008+14) =1022

Show Answer