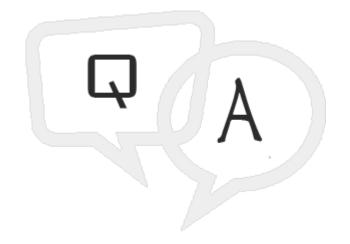# Aptitude - Decimals & Fractions Online Quiz

Following quiz provides Multiple Choice Questions (MCQs) related to **Decimals and Fractions**. 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 - (0.46-0.046)/(0.0046/46)=?

A - 0.414

B - 0.0414

C - 414

D - 4140

Answer : D

Explanation

```
(0.46-0.046)/(0.0046/46)= 0.414/(1/10000)
= 4140
```

Hide Answer

Q 2 - 0.000055/0.22=?

A - 0.025

B - 0.0025

C - 0.00025

D - 0.000025

Answer : C

Explanation

$0.000055/0.22 = 55 \times 10^{-6}/22 \times 10^{-2} = 2.5 \times 10^{-4} = 0.0025$

Hide Answer

Q 3 - $(0.7^2 + 0.6^2 + 0.5^2)/(0.07^2 + 0.06^2 + 0.05^2) =$

A - 210

B - 150

C - 160

D - 100

Answer : D

Explanation

```
(0.7² +0.6² +0.5²)/(0.07² +0.06² +0.05² )= (0.7² +0.6² +0.5²)/0.1²(0.7² +0.6² +0.5² )
  = 1/.01 = 100
```

Hide Answer

Q 4 - How many digits are there to the right of decimal in the product of 32.182x36.42?

A - 6

B - 5

C - 4

D - 3

Answer : B

Explanation

```
32.182x36.42 = 32182/1000 x 3642/100 =32182x3642x10⁻⁵
=&t; 5 decimals
```

Show Answer

Q 5 - 16.02 x 0.001 = ?

A - 0.001602

B - 0.01602

C - 0.1602

D - 1.602

Answer : C

Explanation

```
1602 x 1 = 1602
```

```
=> 16.02 x 0.001 = .01602 (considering 5 places of decimal)
```

Hide Answer

Q 6 - 2.43 x 2.43 + 2.3x7.57x2 + 7.57x7.57 = ?

A - 10

B - 100

C - 101.89

D - 200.59

Answer : B

Explanation

```
Given expression is a² + 2ab + b²  where a = 2.43, b = 7.57
= (a+b)² = (2.43 + 7.57)² = 10² = 100
```

Show Answer

Q 7 - If 0.13 / x^2 = 13. What is x?

A - 10

B - .01

C - .1

D - 100

Answer : C

Explanation

```
0.13 / x² = 13
=> 13x² = 0.13
=> x² = 0.13/13 = 13/100 x 1/13 = 1/100
=> x = 1/10 = .1
```

Show Answer

Q 8 - $.98^3 + .02^3 - 3 \times .98 \times .02 - 1 = ?$

A - 0

B - 1

C - 1.09

D - 1.98

Answer : A

Explanation

```
Given expression is a³ + b³ + 3ab - 1 where a - .98 and b =.02
∴ .98³ + .02³ - 3 x .98 x .02 - 1 = (a+b)³ -1
= (.98 + 0.02) - 1 = 0
```

Hide Answer

Q 9 - 0.2222 + 0.3333 + .03232 = ?

A - 0.7777

B - 0.8282

C - 0.8686

D - 0.8787

Answer : D

Explanation

```
0.2222 + 0.3333 + .03232 = 2/9 + 3/9 + 32/99 = 5/9 + 32/99 = (55+32)/99 = 87/99 = 0.8787
```

Show Answer

Q 10 - What will the number if its square is equal to the difference of the squares of 75.15 and 60.12?

A - 45.09

B - 46.09

C - 47.09

D - 48.09

Answer : A

Explanation

```
let the number be x
=> x² = 75.15² - 60.12² = (75.15 +60.12)(75.15-60.12) = 135.27 x 15.03
= 9 x 15.03 x 15.03
= > x = 3 x 15.03 = 45.09
```

Hide Answer