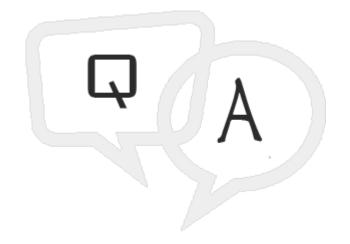
Simplification - Online Quiz

Following quiz provides Multiple Choice Questions (MCQs) related to **Simplification**. 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 - 219/13 - 31/9 + 483/26 = ?

A - 2597

B - 5393

C - 7537

D - None of these

Answer: D

Explanation

```
Give Exp = 219 / 13 - 31/9 + 489/26 = (219/13 + 489 / 26 - 31/9) = (438 + 489/26 - 31/9) = (927 / 26 - 31/9) = (8343 - 806) / 234 = 7537/ 234
```

Show Answer

Q 2 - 108 / 36 of 1/3 + 2/5 * 15/4 = ?

A - 35/4

B - 25/4

C - 5/2

D - 21/2

Answer: D

Explanation

given exp. = 108 /36 of 1/3+ 2/5 *15/4 = 108/ 12+ 2/5 *15/4 = 9+ 3/2 = 21/2

Hide Answer

Q 3 - By how much does 6/7/8 exceed 6/7/8/?

A - 49

B - 27/4

C - 31/4

D - 47/6

Answer: B

Explanation

Required excess = 6/(7/8) - (6/7)/8 = (6*8)/7 -6 /(7*8) =48/7 - 6/56 = 48/7 - 3/28 = (192-3)/28 = 189/28 = 27/4

Hide Answer

$Q 4 - \frac{8}{7} - \frac{2}{3} + \frac{2}{5} / (1 - \frac{1}{25}) / [1 - \frac{1}{7} {\frac{1}{3} + \frac{2}{5} / (1 - \frac{2}{5})}] = ?$

A - 3/4

B - 24/25

C - 1

D - 25/24

Answer: D

Explanation

```
given exp. = [8/7 - 2/3 + (2/50/(24/25))]/[1 - 1/7 {1/3 + (2/5)/(3/5)}] = [8/7 - 2/3 + (2/5*25/24)]/[1 - 1/7 {1/3 + 2/3}]
= [8/7 - 2/3 + 5/12]/[1 - 1/7*1] = [(96 - 56 + 35)/84]/[6/7] = (75/84*7/6) = 25/24
```

Show Answer

Q 5 - 5/3+3/(1-2/3) =?

A - 3/5

B - 5/3

C - 5/12

D - 5

Answer: C

Explanation

```
given exp. = 5/ 3+ 3/(1/3)
= 5/ (3+9)
= 5/12
```

Hide Answer

$Q 6 - 1/[1+1/{1+1/(1+1/2)}] = ?$

A - 1/2

B - 5/8

C - 1

D - 2

Answer: B

Explanation

```
given exp. = 1/[1+1/{1+1/(1+1/2)}]
= 1/[1+1/{1+1/3/2}] = 1/[1+1/{1+1*2/3}]
= 1/[1+1/5/3] = 1/[1+1*3/5] = 1/[1+3/5] = 1/8/5 = 1*5/8 = 5/8
```

Show Answer

Q 7 - if (a+2b) =6 and ab = 4, then (2/a+1/b) = ?

A - 1/2

B - 1/3

C - 3/2

D - 2

Answer: C

Explanation

(2/a + 1/b) = (a +2b)/ab = 6/4 = 3/2.

Hide Answer

Q 8 - if x = (1-a), y = (2a+1) and x = y, then a = ?

A - 2

B - 1/2

C - 0

D - -1

Answer: C

Explanation

$$x=y \Rightarrow (1-a) = (2a+1) \Rightarrow 3a = 0 \Rightarrow a = 0$$
.

Show Answer

Q 9 - ((856+167)² +(856-167)²)/(856*856+ 167*167)= ?

A - 1

B - 2

C - 689

D - 1023

Answer: B

Explanation

given exp. =
$$(a+b)^2 + (a-b)^2 / (a^2+b^2)$$
, where a = 856 , b = 167 = $2(a^2+b^2) / (a^2+b^2) = 2$

Hide Answer

Q 10 - If in a examination condition of marks is that for the right answer student gets 3 marks but reduce 2 marks for every wrong answer . if 30 questions attempted and 40 marks gets by the student. Find out the number of question correctly done by the student.

- A 19
- B 20
- C 21
- D 22

Answer: B

Explanation

Let correctly attempted questions be x. Then , 3x-2 $(30-x) = 40 \Rightarrow 5x = 100 \Rightarrow x = 20$. Hence, 20 question correctly done by the student.

Hide Answer