Question Review

All ⌄

'needle' is transcribed as:

- ● /ˈniːdəl/
- ○ /ˈneedəl/
- ○ /ˈneːdəl/
- ○ /ˈnɪːdəl/

EXPLANATIONS   Report ⓘ

32 % were correct!

A place where offerings to god are made

- ○ alter
- ○ dais
- ○ mound
- ● altar

Wine tends to lose _____flavour when it has not been properly sealed.

- ○ it's
- ○ their
- ○ it
- ● its

The word "public" can be used as___

○ noun

○ verb

○ adjective

● both a and c

She has ____ Bible at home.

● a

○ an

○ the

○ none

It's only I who ───── this work.

● do

○ does

○ did d. has done

○ has done

He came up with a good idea.

○ opposed

○ investigated

● initiated

○ demanded

She has a zeal .... working hard.

- ◉ for
- ○ by
- ○ at
- ○ with

____ television is a scientific marvel.

- ○ A
- ○ An
- ◉ The
- ○ None

Either he or us _____ responsible.

- ○ has
- ○ was
- ◉ are
- ○ is

We have .... the matter.

- ○ set
- ◉ settled
- ○ sat
- ○ seated

The teacher seemed −−−−−−−.

○ ● relaxed

○ happiness

○ quickly

○ bore

Range of the function $f(x) = 9 - 7 \sin x$ is

○ (2,16)

● $[2,16]$

○ $[-1.1]$

○ (2,16]

EXPLANATIONS   Report ⓘ

74 % were correct!

Since $\sin x \in [-1, 1]$, $f(x) \in [2, 16]$

If $\log_{10} x = y$ then $\log_{10^3} x^2$ equals =

● $\dfrac{2}{3}y$

○ $\dfrac{1}{2}y$

○ $\dfrac{3}{2}y$

○ 3y

If a, b, c are in H.P., then

○ $a^2 + b^2 > b^2$

○ $a^2 + c^2 > (2b)^2$

● $a^2 + c^2 > 2b^2$

○ none

The number of ways in which 1, 2, 3, 4, 5, 6 can be arranged so that odd numbers lie in odd places and even number lie in the even place is:

● 36

○ 30

○ 40

○ 56

The sum of the series

$$1 + \frac{1+a}{2!} + \frac{1+a+a^2}{3!} + \frac{1+a+a^2+a^3}{4!} + \dots + \infty =$$

○ $\dfrac{e^a}{a}$

● $\dfrac{e^a - e}{a - 1}$

○ $\dfrac{e^a + 1}{a + 1}$

○ $\dfrac{e^a - e^{-a}}{a - 1}$

If p and q are the roots of the equation $x^2 + px + q = 0$ then the values of p and q are

○ 1, −1

○ 1, 0

● 1, −2

○ −1, 0

The equation $\sin^2 x = \dfrac{1}{4}$ has the general solution

- ○ $n\pi + \dfrac{\pi}{6}$
- ○ $2n\pi + \dfrac{\pi}{6}$
- ○ $n\pi + (-1)^n \dfrac{\pi}{6}$
- ○ $n\pi + (-1)^n \dfrac{\pi}{3}$

In $\triangle ABC$, AB = 1, AC = 2 and A = 60° then its largest angle is equal to

- ○ 60°
- ○ 90°
- ○ 75°
- ○ 135°

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