

22/9/21

Mathe Test

Q1. At 5:20 - - - - - is?

Ans. (C) Acute Angle.

Ans 2. (A) Assertion and reason are correct and Reason is the correct explanation of Assertion.

Q3. Find the - - - - - figure?

Ans. (C) $\angle ROQ = 83^\circ$

Q4. These angles - - - - - angles?

Ans. $2x, 3x, 7x$.

$$= 2x + 3x + 7x = 180^\circ$$

$$12x = 180^\circ$$

$$x = 15^\circ$$

$$= 2 \times 15 = 30$$

Q3. $= 3 \times 15 = 45$
 $= 7 \times 15 = 105$

= Angles are $30^\circ, 45^\circ, 105^\circ$

Q5. Two angles _____ angles?

Ans. Angle is ~~90~~ and let angle ~~be~~ 28° and
 $= 90 - 28 =$ complementary to $90 - 28$.

A.T.Q.

~~$90 - 28 = 72$~~ $= x + 28 = 90$

$\Rightarrow x = 90 - 28 = 72^\circ$

Two angles = 28° and 72° ~~Two angles = 28~~

Q7. In the _____ value x ?

Ans. $\angle EOB$ as ~~are~~ $\angle DOE$ and $\angle AOB$ are vertically opposite angles. Hence, $\angle DOE = \angle AOB = 6x^\circ$

$= \angle AOF = \angle DOC = 2x$

$= \angle COB = \angle FOE = 3x$

$$\begin{aligned}
 & 6x + 2x + 3x = 180^\circ \quad \angle AOC + \angle FOE + \angle EOD + \angle DOC = 180^\circ \\
 & \therefore 11x = 180^\circ \quad \angle COB + \angle BOA = 360^\circ \\
 & x = 16.36^\circ = 2(6x + 2x + 3x) = 360^\circ \\
 & = 2(11x) = 360^\circ \\
 & = 22x = 360^\circ = 16.36^\circ \quad x = 16
 \end{aligned}$$

Q 9. Find the — — — — angles?

Ans. i) 158° .

$$= x + 158 = 180$$

$$x = 180 - 158 = 22^\circ$$

ii) 99°

$$= x + 99 = 180$$

$$x = 180 - 99 = 81^\circ$$

iii) 101°

$$= x + 101 = 180$$

$$x = 180 - 101 = 79^\circ$$