

ODD[X and X(0)] Solution

Formula: $X = No.1 + No.3 + No.5 + No.7 + No.9$

$$X(0) = X - 5$$

Participant 1: $X_1 = 5 + 5 + 3 + 3 + 4 = 20$

$$X_1(0) = 20 - 5 = 15$$

Participant 2: $X_2 = 4 + 2 + 3 + 2 + 3 = 14$

$$X_2(0) = 14 - 5 = 9$$

Participant 3: $X_3 = 4 + 4 + 3 + 4 + 4 = 19$

$$X_3(0) = 19 - 5 = 14$$

Participant 4: $X_4 = 3 + 5 + 4 + 5 + 4 = 21$

$$X_4(0) = 21 - 5 = 16$$

Participant 5: $X_5 = 3 + 4 + 5 + 5 + 5 = 22$

$$X_5(0) = 22 - 5 = 17$$

Participant 6: $X_6 = 5 + 5 + 5 + 5 + 4 = 24$

$$X_6(0) = 24 - 5 = 19$$

Participant 7: $X_7 = 4 + 4 + 4 + 4 + 3 = 19$

$$X_7(0) = 19 - 5 = 14$$

Participant 8: $X_8 = 5 + 5 + 5 + 5 + 5 = 25$

$$X_8(0) = 25 - 5 = 20$$

Participant 9: $X_9 = 5 + 4 + 4 + 4 + 4 = 21$

$$X_9(0) = 21 - 5 = 16$$

Participant 10: $X_{10} = 5 + 4 + 4 + 4 + 4 = 21$

$$X_{10}(0) = 21 - 5 = 16$$

Participant 11: $X_{11} = 3 + 2 + 2 + 3 + 2 = 12$

$$X_{11}(0) = 12 - 5 = 7$$

Participant 12: $X_{12} = 5 + 5 + 4 + 5 + 4 = 23$

$$X_{12}(0) = 23 - 5 = 18$$

Participant 13: $X_{13} = 5 + 5 + 3 + 4 + 4 = 21$

$$X_{13}(0) = 21 - 5 = 16$$

Participant 14: $X_{14} = 4 + 4 + 4 + 4 + 5 = 21$

$$X_{14}(0) = 21 - 5 = 16$$

Participant 15: $X_{15} = 4 + 4 + 3 + 4 + 3 = 18$

$$X_{15}(0) = 18 - 5 = 13$$

EVEN[Y and Y(0)] Solution

Formula: $Y = No.2 + No.4 + No.6 + No.8 + No.10$

$$Y(0) = 25 - Y$$

Participant 1: $Y_1 = 4 + 2 + 3 + 3 + 3 = 15$

$$Y_1(0) = 25 - 15 = 10$$

Participant 2: $Y_2 = 3 + 3 + 2 + 3 + 4 = 15$

$$Y_2(0) = 25 - 15 = 10$$

Participant 3: $Y_3 = 4 + 3 + 3 + 3 + 2 = 15$

$$Y_3(0) = 25 - 15 = 10$$

Participant 4: $Y_4 = 2 + 1 + 2 + 3 + 2 = 10$

$$Y_4(0) = 25 - 15 = 15$$

Participant 5: $Y_5 = 3 + 2 + 3 + 2 + 3 = 13$

$$Y_5(0) = 25 - 15 = 12$$

Participant 6: $Y_6 = 1 + 2 + 1 + 3 + 1 = 8$

$$Y_6(0) = 25 - 15 = 17$$

Participant 7: $Y_7 = 3 + 2 + 3 + 3 + 4 = 15$

$$Y_7(0) = 25 - 15 = 10$$

Participant 8: $Y_8 = 4 + 1 + 1 + 3 + 1 = 10$

$$Y_8(0) = 25 - 15 = 15$$

Participant 9: $Y_9 = 4 + 2 + 3 + 4 + 1 = 14$

$$Y_9(0) = 25 - 15 = 11$$

Participant 10: $Y_{10} = 2 + 2 + 3 + 4 + 1 = 12$

$$Y_{10}(0) = 25 - 15 = 13$$

Participant 11: $Y_{11} = 3 + 4 + 3 + 3 + 4 = 17$

$Y_{11}(0) = 25 - 15 = 8$

Participant 12: $Y_{12} = 5 + 3 + 2 + 3 + 3 = 16$

$Y_{12}(0) = 25 - 15 = 9$

Participant 13: $Y_{13} = 3 + 2 + 2 + 3 + 2 = 12$

$Y_{13}(0) = 25 - 15 = 13$

Participant 14: $Y_{14} = 3 + 2 + 2 + 4 + 3 = 14$

$Y_{14}(0) = 25 - 15 = 11$

Participant 15: $Y_{15} = 4 + 2 + 3 + 3 + 3 = 15$

$Y_{15}(0) = 25 - 15 = 10$

SUS Solutions and Grading System

Formula: $SUS = X(0) + Y(0) * \left(\frac{5}{2}\right)$

$GRADE = \text{"F"} < 51, \text{"D"} \geq 51 \ \& \ < 68, \text{"C"} = 68, \text{"B"} > 68 = < 80, \text{"A"} > 80$

Participant 1: $SUS_1 = 15 + 10 * \left(\frac{5}{2}\right) = 62.5$

$GRADE_1 = D$

Participant 2: $SUS_2 = 9 + 10 * \left(\frac{5}{2}\right) = 47.5$

$GRADE_2 = F$

Participant 3: $SUS_3 = 14 + 10 * \left(\frac{5}{2}\right) = 60$

$GRADE_3 = D$

Participant 4: $SUS_4 = 16 + 15 * \left(\frac{5}{2}\right) = 77.5$

$GRADE_4 = B$

Participant 5: $SUS_5 = 17 + 12 * \left(\frac{5}{2}\right) = 72.5$

$GRADE_5 = B$

Participant 6: $SUS_6 = 19 + 17 * \left(\frac{5}{2}\right) = 90$

$GRADE_6 = A$

Participant 7: $SUS_7 = 14 + 10 * \left(\frac{5}{2}\right) = 60$

$GRADE_7 = D$

Participant 8: $SUS_8 = 20 + 15 * \left(\frac{5}{2}\right) = 87.5$

$GRADE_8 = A$

Participant 9: $SUS_9 = 16 + 11 * \left(\frac{5}{2}\right) = 67.5$

$GRADE_9 = D$

Participant 10: $SUS_{10} = 16 + 13 * \left(\frac{5}{2}\right) = 72.5$

$GRADE_{10} = B$

Participant 11: $SUS_{11} = 7 + 8 * \left(\frac{5}{2}\right) = 37.5$

$GRADE_{11} = F$

Participant 12: $SUS_{12} = 18 + 9 * \left(\frac{5}{2}\right) = 67.5$

$GRADE_{12} = D$

Participant 13: $SUS_{13} = 16 + 13 * \left(\frac{5}{2}\right) = 72.5$

$GRADE_{13} = B$

Participant 14: $SUS_{14} = 16 + 11 * \left(\frac{5}{2}\right) = 67.5$

$GRADE_{14} = D$

Participant 15: $SUS_{15} = 13 + 10 * \left(\frac{5}{2}\right) = 57.5$

$GRADE_{15} = D$