

# Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: X

Date: .....

Name: .....

ID No.....

1. In a competitive examination, one mark is awarded for each correct answer while  $\frac{1}{3}$  mark is deducted for every wrong answer. Jayanti answered 120 questions and got 90 marks. How many questions did she answer correctly?

Sol.

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2. A two digit number is obtained by either multiplying the sum of the digits by 8 and then subtracting 5 or by multiplying the difference of the digit by 16 and the adding 3. Find the number.

Sol.

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3. A shopkeeper sells a saree at 8% profit and a sweater at 10% discount, thereby getting a sum of Rs 1008. If she had sold the saree at 10% profit and the sweater at 8% discount, she would have got Rs 1028. Find the cost price of the saree and the list price (price before discount ) of the sweater.

Sol.

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4. 2 women and 5 men can together finish a work in 4 days, while 3 women and 6 men can finish it in 3 days. Find the time taken by 1 woman alone and 1 man alone to finish the work.

Sol.

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