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The International School

Class 10 Mathematics – Arithmetic Progressions Worksheet (Advanced 2)

Name: _____

Date: _____

Q1. Find sum of AP: 2,7,12... to 10 terms.

Answer: 245.

Q2. Find sum of AP: -37,-33,-29... to 12 terms.

Answer: -180.

Q3. Find the 31st term when 11th term=38 and 16th term=73.

Answer: 178.

Q4. Find term equal to 78 in AP: 3,8,13...

Answer: 16th term.

Q5. Find how many multiples of 4 lie between 10 and 250.

Answer: 60 multiples.

Q6. Find sum of first n natural numbers.

Answer: $n(n+1)/2$