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The International School

## Class 10 Mathematics – Arithmetic Progressions Worksheet (Advanced 4)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Q1.** Find the sum of first 24 terms when  $n$ th term is  $a_n=3+2n$ .

**Answer:** 672.

**Q2.** Find production in first year if 3rd year=600 and 7th year=700.

**Answer:** 550 sets.

**Q3.** Find sum of first 1000 natural numbers.

**Answer:** 500500.

**Q4.** Find if 301 is a term of AP: 5,11,17...

**Answer:** No.

**Q5.** Find total production in first 7 years if production forms AP.

**Answer:** 4375.

**Q6.** Find 30th term of AP: 10,7,4...

**Answer:** -77.