

# Fill in the Blanks

# Sum of an Arithmetic Series

First term $a$	Common difference $d$	5 <sup>th</sup> term $u_5$	12 <sup>th</sup> term $u_{12}$	Sum of the first 20 terms $S_{20}$	Sum of the first 50 terms $S_{50}$
6	4	22	50	880	5200
-2	3	10	31	530	3575
51	-2	43	29	640	100
2.6	0.5	4.6	8.1	147	742.5
-5	6	19	61	1040	7100
12	-1.2	7.2	-1.2	12	-870
4.5	3	16.5	37.5	660	3900
17	-2	9	-5	-40	-1600
-20	2.5	-10	7.5	75	2062.5
7	5	27	62	1090	6475
35	-1	31	24	510	525
3	2	11	25	440	2600
6.5	0.1	6.9	7.6	149	447.5
-8	3	4	25	410	3275
7.8	-0.4	6.2	3.4	80	-100