Teacher check list

Using SUVAT equations   D

#	Given	Answer
1	$u = 3.5$ m s^{-1}, $v = 12.5$ m s^{-1}, $a = 0.9$ m s^{-2}, $s = ?$	$s = 80$ m
2	$v = 5$ m s^{-1}, $a = 0.2$ m s^{-2}, $t = 12$ s, $s = ?$	$s = 45.6$ m
3	$u = 12$ m s^{-1}, $a = -0.4$ m s^{-2}, $t = 15$ s, $v = ?$	$v = 6$ m s^{-1}
4	$v = 25$ m s^{-1}, $a = 1.8$ m s^{-2}, $t = 10$ s, $s = ?$	$s = 160$ m
5	$s = 360$ m, $v = 40$ m s^{-1}, $t = 16$ s, $u = ?$	$u = 5$ m s^{-1}
6	$s = 25$ m, $u = 0$ m s^{-1}, $v = 5$ m s^{-1}, $t = ?$	$t = 10$ s
7	$u = 0$ m s^{-1}, $v = 12$ m s^{-1}, $a = 0.6$ m s^{-2}, $s = ?$	$s = 120$ m
8	$v = 4$ m s^{-1}, $a = -0.5$ m s^{-2}, $t = 16$ s, $u = ?$	$u = 12$ m s^{-1}
9	$s = 96$ m, $a = 0.5$ m s^{-2}, $t = 16$ s, $v = ?$	$v = 10$ m s^{-1}
10	$s = 13$ m, $v = 9$ m s^{-1}, $a = 2.5$ m s^{-2}, $u = ?$	$u = 4$ m s^{-1}
11	$s = 114$ m, $a = 1.5$ m s^{-2}, $t = 12$ s, $u = ?$	$u = 0.5$ m s^{-1}
12	$u = 15$ m s^{-1}, $v = 4.2$ m s^{-1}, $t = 9$ s, $a = ?$	$a = -1.2$ m s^{-2}
13	$u = 2$ m s^{-1}, $v = 4$ m s^{-1}, $a = 0.1$ m s^{-2}, $t = ?$	$t = 20$ s
14	$s = 80$ m, $v = 20$ m s^{-1}, $t = 8$ s, $a = ?$	$a = 2.5$ m s^{-2}
15	$s = 110$ m, $u = 7$ m s^{-1}, $a = 0.8$ m s^{-2}, $v = ?$	$v = 15$ m s^{-1}
16	$s = 300$ m, $a = 2.5$ m s^{-2}, $t = 20$ s, $v = ?$	$v = 40$ m s^{-1}
17	$u = 2.5$ m s^{-1}, $a = 1.5$ m s^{-2}, $t = 16$ s, $s = ?$	$s = 232$ m
18	$s = 150$ m, $u = 22$ m s^{-1}, $t = 12$ s, $v = ?$	$v = 3$ m s^{-1}
19	$u = 2.5$ m s^{-1}, $v = 20$ m s^{-1}, $t = 7$ s, $s = ?$	$s = 78.75$ m
20	$u = 3$ m s^{-1}, $v = 18$ m s^{-1}, $t = 10$ s, $a = ?$	$a = 1.5$ m s^{-2}
21	$u = 5$ m s^{-1}, $a = 2$ m s^{-2}, $t = 20$ s, $s = ?$	$s = 500$ m
22	$u = 0$ m s^{-1}, $a = 1.5$ m s^{-2}, $t = 10$ s, $s = ?$	$s = 75$ m
23	$u = 0$ m s^{-1}, $v = 9$ m s^{-1}, $a = 1.8$ m s^{-2}, $t = ?$	$t = 5$ s
24	$s = 160$ m, $u = 8$ m s^{-1}, $t = 10$ s, $v = ?$	$v = 24$ m s^{-1}
25	$s = 44.4$ m, $u = 0.1$ m s^{-1}, $t = 12$ s, $a = ?$	$a = 0.6$ m s^{-2}
26	$u = 2$ m s^{-1}, $v = 8$ m s^{-1}, $a = 2$ m s^{-2}, $s = ?$	$s = 15$ m
27	$s = 102.4$ m, $u = 0$ m s^{-1}, $t = 8$ s, $a = ?$	$a = 3.2$ m s^{-2}
28	$s = 63$ m, $a = 1.5$ m s^{-2}, $t = 6$ s, $v = ?$	$v = 15$ m s^{-1}
29	$s = 80$ m, $v = 3$ m s^{-1}, $a = -0.7$ m s^{-2}, $u = ?$	$u = 11$ m s^{-1}
30	$s = 50$ m, $u = 3$ m s^{-1}, $t = 5$ s, $a = ?$	$a = 2.8$ m s^{-2}