

Direct and Inverse Proportion - Answers

Exercise A

1. (a) $S = ke$ (b) $v = kt$ (c) $x = kz^2$ (d) $y = k\sqrt{x}$ (e) $T = k\sqrt{L}$
 2. (a) 9 (b) $2\frac{2}{3}$ 3. (a) 35 (b) 11 4. (a) 75 (b) 4

5.

x	1	3	4	$5\frac{1}{2}$
z	4	12	16	22

6.

r	1	2	4	$1\frac{1}{2}$
V	4	32	256	$13\frac{1}{2}$

7. 333 N/cm^2 8. 180 m; 2 s 9. $675 \text{ J}; \sqrt{\frac{4}{3}} \text{ cm}$ 10. 9000 N; 25 m/s
 11. $p \propto w^3$ 12. $15^4 : 1$ (50 625 : 1)
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