

20.
$$q$$
 is inversely proportional to the square of t .

When
$$t = 4$$
, $q = 8.5$

(a) Find a formula for
$$q$$
 in terms of t .

(b) Calculate the value of
$$q$$
 when $t = 5$

Calculate the value of D when S = 25

(Total

22. D is proportional to S^2 .

D = 900 when S = 20

(a) Find a formula for y in terms of x .	
(u) This a formation y in terms of x.	
	y =

25. y is directly proportional to x.

21. M is directly proportional to L^3 .

When L = 2, M = 160

Find the value of M when L = 3

26. P is inversely proportional to V.
When V = 8, P = 5
(a) Find a formula for P in terms of V.

(b) Calculate the value of P when V = 2