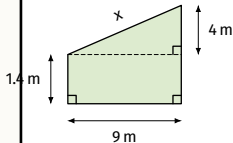


Indoor Skills Course

Use the shared diagram throughout. Show each measurement, apply the stated rates, and give a traceable final decision.

The profile is 9 m wide with a 1.4 m platform and 4 m rise; depth is 4.5 m. Only the visible side is decorated.



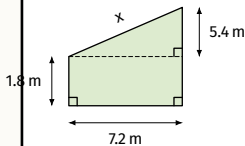
- (a)** Calculate the rectangle, triangle and total cross-sectional areas.
- (b)** Allow 8% artwork wastage on the triangular area. Art costs \$68/m².
- (c)** Branding on the rectangle is \$118/m² plus \$720.
- (d)** Find the slope using Pythagoras. Lights follow the base and slope at \$74/m.
- (e)** Concrete is \$215/m³. Find the total project cost.

Community Skate Feature



Use the shared diagram throughout. Show each measurement, apply the stated rates, and give a traceable final decision.

The profile is 7.2 m wide, with a 1.8 m platform and 5.4 m rise; depth = 3.8 m.



(a) Find the visible rectangle and triangle areas.

(b) A sponsor pays \$145/m² for the rectangle, less a 6% discount, plus \$540 installation. Find the charge.

(c) Art costs \$64/m² and lights along base and slope cost \$79/m.

(d) Concrete costs \$225/m³. Find volume and cost.

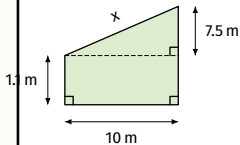
(e) Find the overall cost.

Warehouse Obstacle



Use the shared diagram throughout. Show each measurement, apply the stated rates, and give a traceable final decision.

The profile is 10 m wide with a 1.1 m platform and 7.5 m rise; its depth is 5.2 m.



- (a)** Find the cross-sectional area and concrete volume.
- (b)** Concrete is sold in 6 m^3 truckloads at \$1320 per load. Find the number and cost.
- (c)** Visible-side finishes cost $\$130/\text{m}^2$ on the rectangle and $\$60/\text{m}^2$ on the triangle, plus one \$800 setup fee.
- (d)** Lights follow the base and slope at $\$72/\text{m}$.
- (e)** Find the total and explain why truck rounding matters.