The edges of the cube shown below are 8 cm long.
Also $AB = BC = 2$ cm and $DE = EF = 6$ cm.
Find the area of the trapezium $ACFD$.

$$\left(\frac{a+b}{2}\right) \times h$$

$6\sqrt{2}$

$4\sqrt{2} \times 6\sqrt{2} = 48$

$a^2 = (2\sqrt{2})^2 + 8^2$

$a = 6\sqrt{2}$