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- A. 25 cm²
- B. 30 cm²
- C. 50 cm²
- D. 60 cm²

Show Answer...

Correct Answer: C (50 cm²)

Explanation:

The area of a trapezium can be calculated using the formula:

Area of a trapezium = $\frac{1}{2}$ (sum of parallel sides) * (perpendicular distance between them)

where a and b are the lengths of the parallel sides and h is the distance between them.

The formula to calculate the area of a trapezium is:

$$\text{Area} = \frac{1}{2} (a + b) \times h$$

where a and b are the parallel sides of the trapezium and h is the height (or the perpendicular distance between the parallel sides).

In this case, a = 6 cm, b = 4 cm and h = 10 cm. Substituting these values in the formula, we get:



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$$\text{Area} = (1/2) \times (6 + 4) \times 10$$

$$\text{Area} = (1/2) \times 10 \times 10$$

$$\text{Area} = 50 \text{ cm}^2$$

So the correct answer is D (50 cm²).