



A box contains apples and oranges in the ratio 2:5.

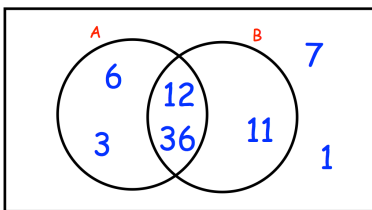
8 apples and 5 oranges are added to the box and the ratio of apples to oranges is now 4:7

How many pieces of fruit were in the box to begin with?

Solve

$$\frac{10 + 8x}{3x} = -4$$

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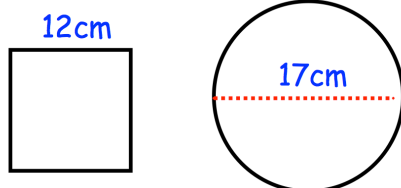
Write down the numbers that are in set

$$A \cap B'$$

Michael bought a hat and a coat.
The hat cost £10.
He sold both items for a total of £90.

Michael made
200% profit on the hat
80% profit on the total cost.

Work out his percentage profit on the cost of the coat.



Can the square fit inside the circle without touching the circle?