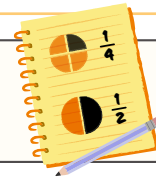
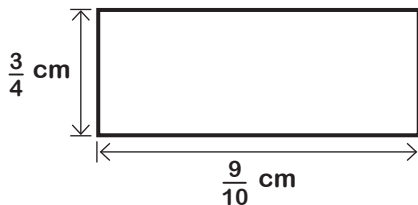


# Fraction Problem Solving (A)

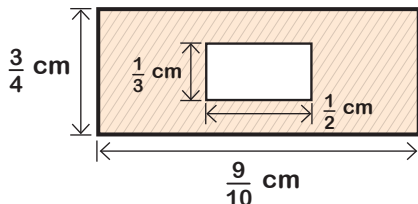


## Section A Non-calculator

- 1) A father brings £55 to spend at the cinema for himself and his two children.
  - a. He spends  $\frac{3}{5}$  on tickets. How much money did he spend on tickets?
  - b. He spends £15 on snacks. What fraction of the money was spent on snacks?
  - c. His wife wanted him to bring  $\frac{2}{11}$  more to the cinema. How much did his wife want him to bring to the cinema?
- 2) The following diagram shows an illustration of a USB port.
  - a. Work out the perimeter of the USB port? Leave your answer as a mixed fraction.



- b. The diagram below shows the front view of a USB cable. Work out the shaded area.



## Section B Calculator

- $\frac{1}{3}$  of our life is spent asleep.
- a) If someone lives until they are 72 years old, how much of their life is spent asleep?
  - b) A new-born baby spends approximately 15 hours asleep each day for the first month and then 16 hours each day for the next two months. As a fraction, how much of a 3 month year old's life has been spent asleep (where 1 month is equivalent to 4 weeks)?
  - c) Julian works too hard. He gets  $\frac{2}{7}$  less sleep than the recommended amount of 8 hours a day. How much sleep does Julian lose each week compared to what is recommended?