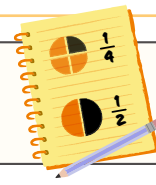


Fraction Problem Solving (A)

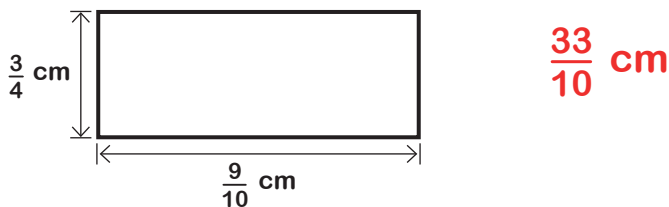
ANSWERS



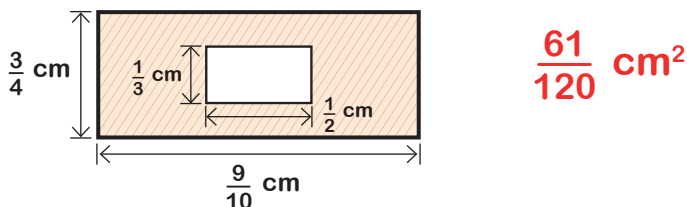
Section A Non-calculator

- 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?
£33
- b. He spends £15 on snacks. What fraction of the money was spent on snacks?
 $\frac{3}{11}$
- 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?
£65

- 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?
24 years
- 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)?
 $36 \frac{1}{16}$ days
- 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?
16 hours