cazoom!

CALCULATOR NOT ALLOWED

A) A father brings £55 to spend at the cinema for himself and his two children.

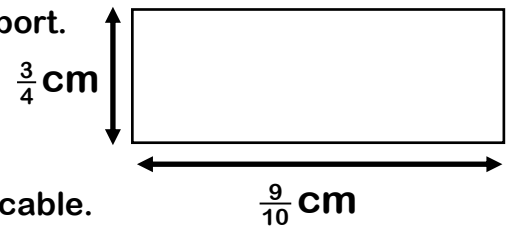i) He spends $\frac{3}{5}$ on tickets. How much money did he spend on tickets? **£33**

ii) He spends £15 on snacks. What fraction of the money was spent on snacks? **3/11**

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**

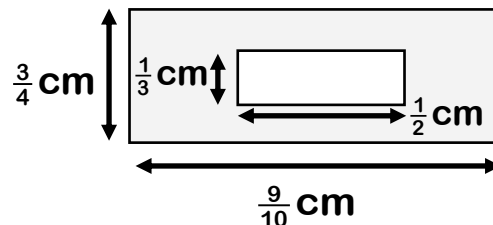**B)** The following diagram shows an illustration of a USB port.

i) Work out the perimeter of the USB port.

33/10 cm

$\frac{3}{4}$ cm

$\frac{9}{10}$ cm

ii) The diagram below shows the front view of a USB cable.

Work out the shaded area. **61/120 cm²**

$\frac{3}{4}$ cm $\quad$ $\frac{1}{3}$ cm $\quad$ $\frac{1}{2}$ cm

$\frac{9}{10}$ cm

CALCULATOR ALLOWED

C) $\frac{1}{3}$ of our lives is spent asleep.

i) If someone lives until they are 72 years old, how much of their life is spent asleep? **24 years**

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.

ii) 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 1/6 days**

Julian works too hard. He gets $\frac{2}{7}$ less sleep than the recommended amount of 8 hours a day.

iii) How much sleep does Julian lose each week compared to what is recommended? **16 hours**

How confidently can you solving problems involving standard form ?

Not confident $\quad$ Fairly confident $\quad$ Very confident

Your Score
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