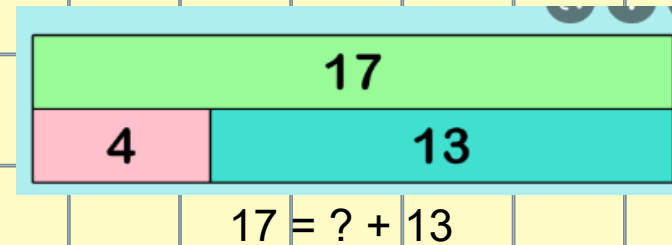
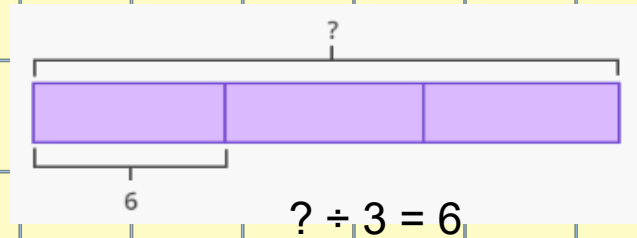


Using the bar model to support
problem solving

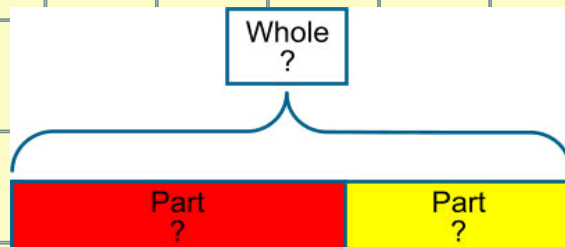
Teaching using a CPA approach



What is the bar model?

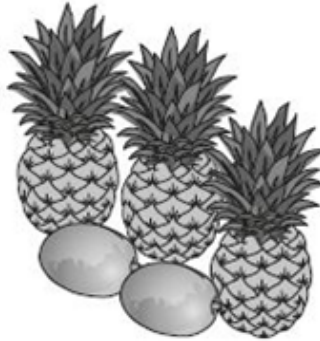


Using a bar or blocks to represent missing and known information from a mathematical question.

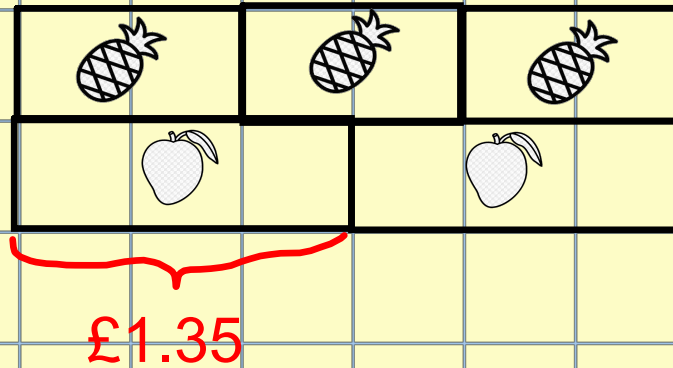


3 pineapples cost the same as 2 mangoes.

One mango costs £1.35



How much does **one** pineapple cost?



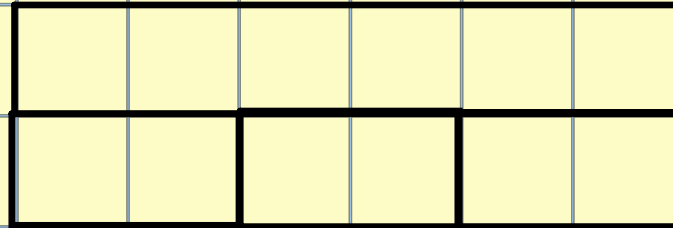
$$£1.35 \times 2 = £2.70$$

$$£2.70 \div 3 = 0.9 \text{ (90p)}$$

A book has 276 pages.

Amina has read $\frac{1}{3}$ of the book.

How many pages are **left** for Amina to read?



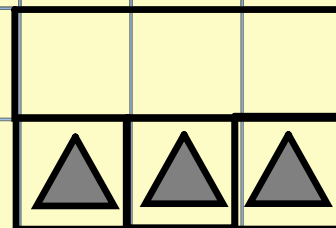
$$276 \div 3 = 92$$

$$92 \times 2 = 184$$

Each shape stands for a number.

← Total 100

↑ Total 96



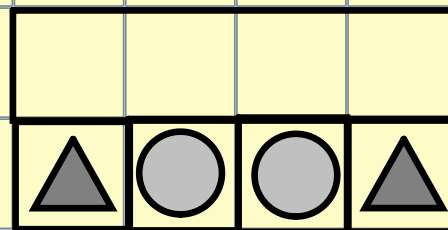
$$96 \div 3 = 32$$

= 32

Work out the **value** of each shape.

= _____

= _____



$$100$$

$$32 + 32 = 64$$

$$100 - 64 = 36$$

$$36 \div 2$$

