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P5 SA2 Mini Revision – Lesson 2

Topic Fractions

1. Part Whole Models
2. Constant Difference
3. Branching

Part-Whole Models (1)

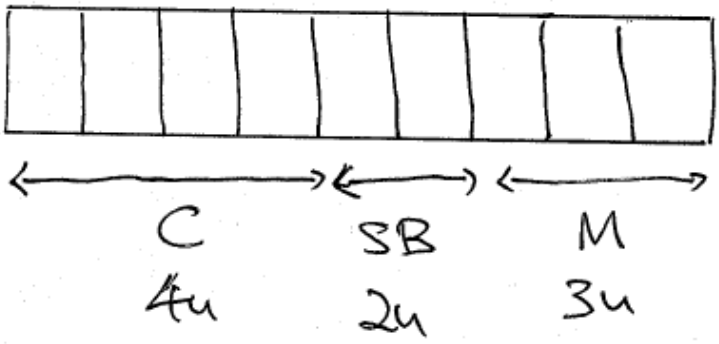
1. At a bakery, there are three types of tarts. $\frac{4}{9}$ of the tarts are chocolate tarts and $\frac{2}{5}$ of the remaining are strawberry tarts. The rest are mango tarts. There are 56 chocolate and mango tarts altogether.

   (a) What fraction of the tarts are mango tarts?

   Give you answer in the simplest form.

   (b) How many tarts are there in total?

ATS/WA1/22



$4u + 3u = 7u$

$7u = 56$

$u = 8$

a) Mango $= \frac{3}{9} = \frac{1}{3}$

b) Total $= 8 \times 9$

$= 72$

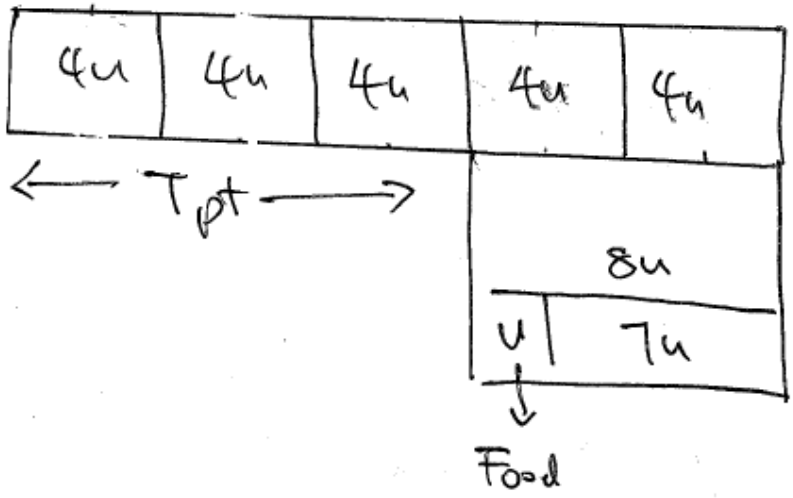
Part-Whole Models (2)

2. Jim spent $\frac{3}{5}$ of his salary on transport and spent $\frac{1}{8}$ of the remaining salary on food.

   He gave $\frac{1}{10}$ of his salary to his mother and had $1325 left.

   (a) What fraction of his salary did he spend on food?

   (b) What was the amount of his salary?



RGPS/WA1/22

Total = 4u × 5

= 20u

a) $\frac{\text{Food}}{\text{Total}} = \frac{1}{20}$

b) Left = $\frac{20}{20} - \frac{3}{5} - \frac{1}{20} - \frac{1}{10}$

= $\frac{1}{4}$

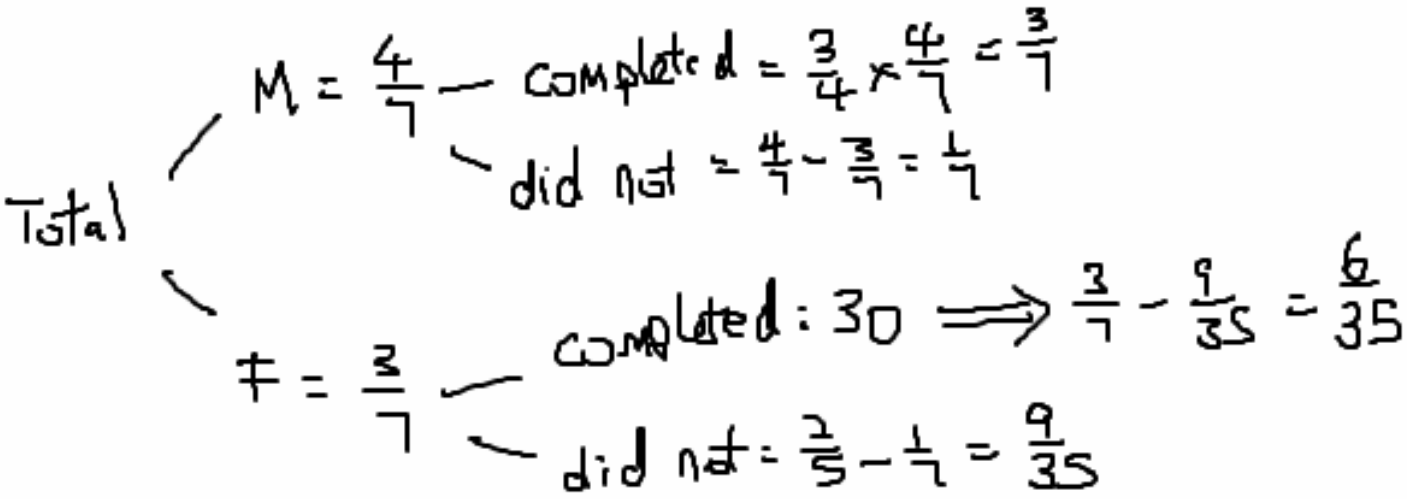
$\frac{1}{4} \rightarrow \$1325$

$\frac{4}{4} \rightarrow \$5300$ 4

Branching Method

3. At a marathon, $\frac{4}{7}$ of the runners were male. $\frac{3}{4}$ of the male runners and 30 female runners completed the race. $\frac{2}{5}$ of the runners did not complete the race.

(a) What fraction of the runners who completed the race were females?



(b) How many fewer female runners than male runners were there in the marathon?

TNS/24/SA2