

A Maths Question, PSLE 2022

Muthu used $\frac{4}{7}$ of his money to buy 6 pens. He used the rest of his money to buy 4 pens and 3 files.

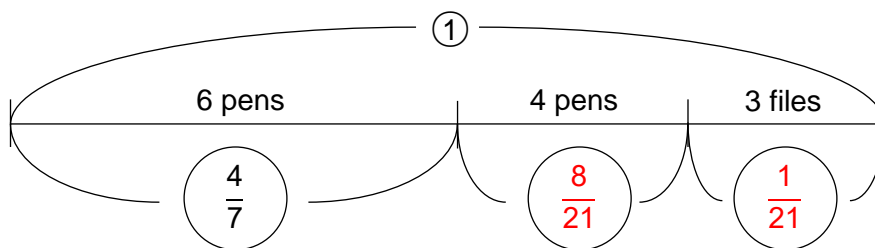
- a) What fraction of his money did Muthu use to buy the 3 files?
 b) Assumed that 1 file is given for free for every 5 files purchased, how many files would Muthu be able to get if he were to use all his money to buy files?

Paper 2, Q15

<< Fraction >>

<Diagram>

Let ① be the amount of money that Muthu had at first.



<Writing>

- a) $\frac{4}{7} \times \frac{4}{6} = \frac{8}{21}$ → 4 pens
 $\frac{4}{7} + \frac{8}{21} = \frac{20}{21}$ → 6 pens and 4 pens
 $1 - \frac{20}{21} = \frac{1}{21}$ → 3 files
- b) $3 \div \frac{1}{21} = 63$ (files) → ①, Muthu can buy 63 files.
 $63 \div 5 = 12$ R 3 → 12 free files
 $63 + 12 = 75$

Answer a) $\frac{1}{21}$ b) 75 files