

Question of the day

Day 13

Students deliver catalogues and leaflets to houses.

One day, they have to deliver 360 catalogues and 1440 leaflets.

Each student can deliver either 15 catalogues or 80 leaflets in 1 hour.

Each student can only work for 8 hours.

Work out the minimum number of students needed.

Catalogues

per student $\left[\begin{array}{l} 1 \text{ hour} = 15 \\ 8 \text{ hours} = 8 \times 15 = 120 \end{array} \right.$

$$360 \div 120 = 3 \text{ students}$$

Leaflets

$\left. \begin{array}{l} 1 \text{ hour} = 80 \\ 8 \text{ hours} = 80 \times 8 = 640 \end{array} \right\}$ per student

$$1440 \div 640 = 2.25 \text{ students}$$

..... 6 students [4]

Foundation