**a)**

Three people take $2\frac{1}{2}$ hours to deliver leaflets to 270 houses.

Assuming all people deliver leaflets at the same rate, how long will it take five people to deliver leaflets to 405 houses?

Give your answer in hours and minutes.

| | |
|---|---|
| How long would the job take one person? | $2\frac{1}{2} \times 3 = 7\frac{1}{2}$ hours |
| How long is this in minutes? | $7\frac{1}{2} \times 60 = 450$ minutes |
| How long does it take to deliver each leaflet? | $\frac{450}{270} = 1.\dot{6}$ minutes per leaflet |
| How long would it take to deliver 405 leaflets? | $1.\dot{6} \times 405 = 675$ minutes |
| How long would this take five people? | $\frac{675}{5} = 135$ minutes |
| How can this be written in minutes and hours? | 135 minutes = 2 hours and 15 minutes |

**b)**

Three people take $1\frac{1}{2}$ hours to deliver leaflets to 180 houses.

Assuming all people deliver leaflets at the same rate, how long will it take six people to deliver leaflets to 540 houses?

Give your answer in hours and minutes.

| | |
|---|---|
| How long would the job take one person? | $1\frac{1}{2} \times 3 = 4\frac{1}{2}$ hours |
| How long is this in minutes? | $4\frac{1}{2} \times 60 = 270$ minutes |
| How long does it take to deliver each leaflet? | $\frac{270}{180} = 1.5$ minutes per leaflet |
| How long would it take to deliver 540 leaflets? | $1.5 \times 540 = 810$ minutes |
| How long would this take six people? | |
| How can this be written in minutes and hours? | |

**BACKWARD FADED MATHS**

**c)**

Five people take $1\frac{1}{4}$ hours to deliver leaflets to 200 houses.

Assuming all people deliver leaflets at the same rate, how long will it take four people to deliver leaflets to 480 houses?

Give your answer in hours and minutes.

| How long would the job take one person? | $1\frac{1}{4} \times 5 = 6\frac{1}{4}$ hours |
|---|---|
| How long is this in minutes? | $6\frac{1}{4} \times 60 = 375$ minutes |
| How long does it take to deliver each leaflet? | |
| Calculate how long it would take to deliver 480 leaflets | |
| How long would this take four people? | |
| How can this be written in minutes and hours? | |

**d)**

Four people take $1\frac{1}{3}$ hours to deliver leaflets to 180 houses.

Assuming all people deliver leaflets at the same rate, how long will it take five people to deliver leaflets to 450 houses?

Give your answer in hours and minutes.