1.

Men		1 day work
24		$\frac{1}{10}$
70		$\frac{4}{x}$

$\frac{24}{x}^{\!8} = \frac{30}{10}^{\!3}$

$\boxed{x = 8 \text{ days}}$

2.

	days	1 day work
3M	2	$\frac{1}{2}$ $\Big\}$ $\frac{3}{3}$ ③
4B	6	$\frac{1}{6}$

3M is $\underline{3 \text{ times}}$ more efficient than 4 boys.

- 8 men + 8 Boys → 3 men
- 8 men + 2(4 boys)
- 8 men + 6 men

Total ⇒ 14 men , 1 day work of men = $\frac{1}{2}$

$\qquad\qquad\qquad\qquad$ 1 men ⇒ $\frac{1}{6}$

$3M ⇒ 3 \times 4B$

$\boxed{M = 4B}$

∴ 8 men + 8 Boys

$(8 \times 4 \text{ boys}) + (8 \text{ boys})$

$\boxed{40 \text{ Boys}}$

Boys		1 day work
4		$\frac{1}{6}$
40		$\frac{1}{x}$

$\frac{4}{x} = \frac{40}{6}^{\!10}$

$\boxed{x = \frac{6}{10} \text{ days}}$