

14 These expressions are all equal in value.

$$\frac{5x-2}{3} \qquad 10-x \qquad y+11$$

Find the value of y .

$$y = \dots\dots\dots [5]$$

15 The population of a town is 54 000.
The population is **decreasing** exponentially at a rate of 2% per year.

(a) Calculate the decrease in the population at the end of 4 years.

$$\dots\dots\dots [3]$$

(b) Find the number of complete years it takes for the population of 54 000 to first fall below 44 000.

$$\dots\dots\dots \text{ years } [2]$$