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Sunita is  $x$  years old.

Beth is one year younger than Sunita.

Joel is double Sunita's age.

The mean of their ages is 5

How old is **Joel**?

[5 marks]

$$\text{Beth : } x - 1$$

$$\text{Joel : } 2x$$

$$\text{Total their ages : } 3 \times 5 = 15 \quad (1)$$

$$\overset{(1)}{x} + x - 1 + 2x = 15 \quad (1)$$

$$4x = 16$$

$$x = 4 \quad (1)$$

$$\text{Joel} = 2(4) = 8 \quad (1)$$

Answer 8