

## Green Belt Maths Qualifier Answers

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If you can complete the following maths questions, then you will be comfortable with the maths on our Green Belt training courses.

### *Section 1 (essential knowledge)*

Calculate the following:

$$\sqrt{25} = 5$$

$$6^2 = 36$$

$$\frac{24}{8} = 3$$

$$7 - 12 = -5$$

$$10\% \text{ of } 212 = 21.2$$

### *Section 2 (essential knowledge)*

What does  $x$  equal in the following?

$$x + 4 = 8 \quad (x = 4)$$

$$x - 16 = 32 \quad (x = 48)$$

$$\frac{x}{3} = 9 \quad (x = 27)$$

$$\sqrt{x} = 12 \quad (x = 144)$$

$$x^2 = 81 \quad (x = 9)$$

### *Section 3 (can be taught during the Green Belt training but good to know beforehand)*

What does  $x$  equal in the following?

$$6(x + 1) = 18 \quad (x = 2)$$

$$\left(\frac{27}{x}\right)^2 = 81 \quad (x = 3)$$

$$\text{if } p = 0.5 \text{ what does } x \text{ equal? } \quad x = p(1 - p) \quad (x = 0.25)$$

What is 3% expressed as a proportion? **0.03**