

ANSWER KEY: Converting Between Metric and Imperial Units

1. To convert feet to metres, multiply by 0.30

$$260 \text{ ft.} \times 0.30 = 78.00 \text{ m}$$

2. To convert metres to feet, multiply by 3.28

$$30 \text{ m} \times 3.28 = 98.40 \text{ ft.}$$

3. To convert pounds to kilograms, multiply by 0.454

$$1,800 \text{ lbs.} \times 0.454 = 817.20 \text{ kg}$$

4. To convert kilograms to pounds, multiply by 2.20

$$2,366 \text{ kg} \times 2.20 = 5,205.20 \text{ lbs.}$$

5. To convert metres to inches, multiply by 39.37

$$244 \text{ m} \times 39.37 = 9,606.28 \text{ in.}$$

6. To convert kilograms to tons, multiply by 0.001

$$769 \text{ kg} \times 0.001 = 0.77 \text{ tons}$$

7. To convert tons to metric tonnes, multiply by 0.907

$$2,415 \text{ t} \times 0.907 = 2,190.41 \text{ metric tonnes}$$

8. To convert inches to metres, multiply by 0.025

$$6,542 \text{ in.} \times 0.025 = 163.55 \text{ m}$$

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9. To convert tons to kilograms, multiply by 907.18

$$1.26 \text{ t} \times 907.18 = 1143.05 \text{ kg}$$

10. To convert pounds to kilograms, multiply by 0.454

$$8,612 \text{ lbs.} \times 0.454 = 3,909.85 \text{ kg}$$

11. To convert metres to feet, multiply by 3.28

$$22 \text{ m} \times 3.28 = 72.16 \text{ ft.}$$

12. To convert kilograms to tons, multiply by 0.001

$$391 \text{ kg} \times 0.001 = 0.39 \text{ tons}$$

13. To convert metres to inches, multiply by 39.37

$$47 \text{ m} \times 39.37 = 1,850.39 \text{ in.}$$

14. To convert metric tonnes to tons, multiply by 1.10

$$0.55 \text{ metric tonnes} \times 1.10 = 0.61 \text{ tons}$$

15. To convert kilograms to pounds, multiply by 2.20

$$293 \text{ kg} \times 2.20 = 644.60 \text{ lbs.}$$