

# Ratio and Proportion Practice Booklet **Answers**

## Ratio

How many parts are there altogether? **9**

What is each part worth?  **$36 \div 9 = 4$**

How many apples are there?  **$4 \times 4 = 16$  apples**

How many bananas are there?  **$5 \times 4 = 20$  bananas**

## Using and Calculating Scale Factor

Base = 9	Height = 4.5
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## Practise

1.  **$42 \div 3 = 14$**

**$7 \times 14 = 98$**

**$42 \div 7 = 6$**

**$3 \times 6 = 18$**

**98 and 18**

2.  **$380\text{cm} \div 19\text{cm} = 20$**

**$140\text{cm} \div 20 = 7\text{cm}$**

3.  **$322 \div 14 = 23$**

**$5 \times 23 = 115$**

**115 carrots**

4.  **$142.5 \div 15 = 9.5$**

**9.5cm**

5. **1:3**

6. **3 servings = 273g**

**1 serving =  $273\text{g} \div 3 = 91\text{g}$**

**10 servings = 910g**

**$910\text{g} = 0.91\text{kg}$**

**0.91kg**

7. **4:1**

8. **20% of £157 = £31.40**

**8% of £157 = £12.56**

**$£31.40 + £12.56 = £43.96$**

**$£157 - £43.96 = £113.04$**

**£113.04**