

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