



National 5 - Home Ex 2
Solutions

1.

$$\frac{9}{4} \div \frac{47}{30}$$

$$\frac{9}{4} \times \frac{30}{47}$$

$$\frac{135}{94} \text{ or } 1 \text{ and } 41/94$$

2.

$$\frac{5}{(4 - \sqrt{3})} \times \frac{(4 + \sqrt{3})}{(4 + \sqrt{3})}$$

$$\frac{20 + 5\sqrt{3}}{13}$$

3. $(0.8)^3 \times 18000 = \pounds 9216 = \pounds 9200$ to 2 s.f

4.

$$\frac{2\sqrt{5} + \sqrt{20} - \sqrt{45}}{2\sqrt{5} + 2\sqrt{5} - 3\sqrt{5}} \\ \frac{\sqrt{5}}{\sqrt{5}}$$

5. 66% = 4158, 1% = 63, 100% = £6300

6.

$$AB^2 = (2\sqrt{7})^2 + (2\sqrt{5})^2$$

$$AB^2 = 28 + 20$$

$$AB = \sqrt{48}$$

$$AB = \sqrt{16}\sqrt{3}$$

$$AB = 4\sqrt{3}$$

End of Home Ex