**Numerical Solutions**

1. a) $\frac{13}{15}$ , b) $\frac{5}{12}$ , c) $\frac{1}{10}$ , d) $\frac{3}{20}$
2. £23.76
3. a) $-x-14$ , b) $x=4$
4. $2x^{2}+5x-12$
5. 54 cm2
6. 13 cm
7. 176.2 cm

**Week 2**

1. a) 18.33, b) 22.4
2. 41.7% to 1decimal place
3. $y=\frac{3}{5}x+2$
4. $(x+4)(x+1)$
5. 17 cm2
6. 14.4 cm to 1 decimal place
7. Median = 178 cm, range=13 cm

**Week 3**

1. 12
2. £31.13
3. a) $2x(2y-1)$ , b) $5x(x-2)$
4. $x=3 or x=4$
5. 630 cm3
6. 13.7 cm
7. 8 times

**Week 4**

1. £48 and £60
2. a) 80.84, b)67.94
3. $y=6x-4$
4. $y$ values from left to right: 98, 60, 30, 8, -6, -12, -10, 0
5. $9$
6. $58°$
7. 6

**Week 5**

1. $\frac{21}{16}$
2. £72.22
3. $x=4.5 , y=2$
4. $4x^{2}+16x+16$
5. 150 cm2

1. 85 cm2
2. 48.7cm

**Week 6**

1. -2, -10, +10, -5
2. £552.04
3. $y=x+3$
4. $x=0.57 or x=2.91$
5. 3.94cm
6. $2+√2≈3.41$