

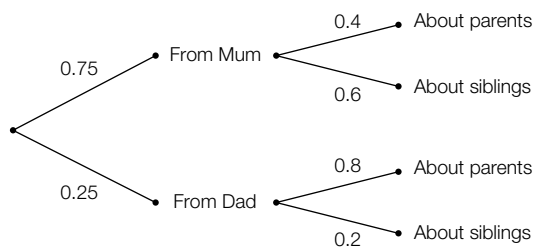
Sample Paper 2

1. (b) (i) 45° (ii) 135°

(c) Square
(d) 39.5 m
(e) 36 m^2
(f) 38
(g) £145.92

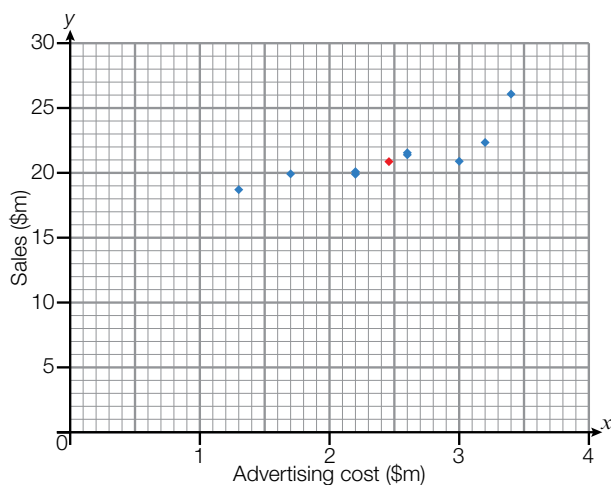
2. (a) (i) $\frac{147}{500}$ (ii) $\frac{469}{500}$ (iii) $\frac{322}{469}$

(b) 64
(c)



(d) (i) 0.45 (ii) 0.5
(e) 0.4

3. (a) (i) £2.47 million (3 s.f.) (ii) £21.8 million (3 s.f.)
(b), (c)



(d) Positive correlation

(e) (i) 0.919 (3 s.f.) (ii) $y = 3.06x + 14.3$
(f) (i) \$20.4 million (3 s.f.) (ii) \$2.20 million (3 s.f.)

4. (a) (i) 0.106 (3 s.f.) (ii) 0.0591 (3 s.f.) (iii) 0.448 (3 s.f.)
(b) 4 (4.23) matches
(c) 19 158

5. (a) 44 (b) 5720 (c) 1.094 (d) 430 (3 s.f.) (e) 4016 (3 s.f.)

6. (b) $12x^2$ (e) $48x - \frac{15}{x^2}$ (f) 0.679 (3 s.f.) (g) 33.2 m^2 (3 s.f.)