

## Multiplying Decimals

(a) Given that  $14 \times 8 = 112$ , calculate:

- (i)  $1.4 \times 8$       (ii)  $14 \times 0.8$   
(iii)  $1.4 \times 0.8$       (iv)  $14 \times 0.08$

(b) Given that  $25 \times 13 = 325$ , calculate:

- (i)  $25 \times 1.3$       (ii)  $25 \times 0.13$   
(iii)  $2.5 \times 1.3$       (iv)  $0.25 \times 1.3$

- (a) (i) 11.2      (ii) 11.2  
(iii) 1.12      (iv) 1.12

- (b) (i) 32.5      (ii) 3.25  
(iii) 3.25      (iv) 0.325

(a) Given  $313 \times 7 = 2191$ , calculate:

- (i)  $31.3 \times 7$       (ii)  $3.13 \times 7$   
(iii)  $31.3 \times 0.7$       (iv)  $0.313 \times 7$

(b) Given  $426 \times 13 = 5538$ , calculate:

- (i)  $426 \times 1.3$       (ii)  $42.6 \times 1.3$   
(iii)  $4.26 \times 13$       (iv)  $42.6 \times 0.13$

- (a) (i) 219.1      (ii) 21.91  
(iii) 21.91      (iv) 2.191

- (b) (i) 553.8      (ii) 55.38  
(iii) 55.38      (iv) 5.538

(a) Calculate  $42 \times 9$ . Use your answer to work out:

- (i)  $4.2 \times 9$       (ii)  $4.2 \times 0.9$

(b) Calculate  $73 \times 16$ . Use your answer to work out:

- (i)  $7.3 \times 1.6$       (ii)  $0.73 \times 1.6$

(c) Calculate  $241 \times 56$ . Use your answer to work out:

- (i)  $24.1 \times 5.6$       (ii)  $2.41 \times 0.56$

- (a) (i) 37.8      (ii) 3.78

- (b) (i) 11.68      (ii) 1.168

- (c) (i) 134.96      (ii) 1.3496

Calculate:

- (a)  $1.2 \times 3$       (b)  $1.2 \times 0.3$   
(c)  $81 \times 0.7$       (d)  $0.81 \times 0.7$   
(e)  $4.5 \times 1.3$       (f)  $0.45 \times 1.3$   
(g)  $14 \times 1.98$       (h)  $1.4 \times 19.8$   
(i)  $5.3 \times 7.4$       (j)  $0.53 \times 0.74$

- (a) 3.6      (b) 0.36  
(c) 56.7      (d) 0.567  
(e) 5.85      (f) 0.585  
(g) 27.72      (h) 27.72  
(i) 39.22      (j) 0.3922