Skills practice B

1 a Jean's hourly wage in pounds = Ken's hourly
wage in pounds + 4

   b Ken's hourly wage in pounds = Jean's hourly
wage in pounds − 4

   c £12 per hour

2 b, **c** and **d** are correct

3 a 1300 miles

   b 1700 miles

   c Distance flown by Raj = 3500 − distance flown by Jo

   d Distance flown by Jo + distance flown by Raj = 3500
Distance flown by Jo = 3500 − distance flown by Raj

4 a £10

   b £15

   c £25

   d £5.50

5 a 5 hours

   b 8 hours

   c 1.5 hours

DYNAMIC LEARNING

Skills practice A

1 2 more than $n = n + 2$

2 plus $n = 2 + n$

$2n = 2 \times n$ (or $n + n$ or $n \times 2$)

2 less than $n = n - 2$

n added to $n = n + n$

twice $n = n \times 2$

2 a $b + 2$

b $6 \times b$

c $b - 2$

d $2 \times b$

e $b - 6$

f $b + 7$

g $b \times 3$

h $b \times b$ or b^2

i $a \times b$

3 a i 9

ii 10

iii 11

b i 20

ii 30

iii 40

c i 14

ii 15

iii 16

4 a i $2c = 4, 3c = 6, 5c = 10$

ii $2c = 6, 3c = 9, 5c = 15$

iii $2c = 8, 3c = 12, 5c = 20$

b Expressions have the same value

5 a 12

b 22

c 14

d 14

6 a i £15

ii $T = 3c$

b $T = g \times 2$

c The amount of money paid for both calculators and geometry sets

7 a i Cost $= 2 \times 30 + 3 \times 10 = £90$

ii Cost $= 3 \times 30 + 4 \times 10 = £130$

b Cost $= 30j + 10t$

c £150