

Worksheet A1:

1. \$380 2. \$95 3. 10 weeks

Worksheet A3:

1. weekly \$485, yearly \$25 220, monthly \$2101

2.	Yearly	Monthly	Weekly
Car registration	\$277	\$23.08	\$5.33
Car insurance	\$600	\$50.00	\$11.54
Car repairs and service	\$399	\$33.25	\$7.67
Health insurance	\$250	\$20.83	\$4.81
Gym membership	\$330	\$27.50	\$6.35

3.	Quarterly	Monthly	Weekly
Electricity	\$87	\$29.00	\$6.69
Telephone	\$102	\$34.00	\$7.85
Gas	\$45	\$15.00	\$3.46
Water	\$22	\$7.33	\$1.69

4.	Weekly	Monthly
Rent	\$80.00	\$346.67
Kitty	\$25.00	\$108.33
Car loan	\$49.00	\$212.33
Petrol	\$28.00	\$121.33
Fares	\$12.00	\$52.00
Eating out/Takeaway	\$15.00	\$65.00
Clothing	\$25.00	\$108.33
Credit card	\$30.00	\$130.00
Internet ISP	\$7.00	\$30.33
Entertainment	\$42.00	\$182.00

Worksheet B2:

1. a) \$1.70 per litre b) \$1.65 per kg c) 9.97 cents per litre



2. Item	Price	Unit price	Best buy
Sweet spring mineral water 1 litre	\$2.65	\$2.65/L	Flow
Flow mineral water 1.5 litre	\$3.50	\$2.33/L	
Heidi's Mountain muesli 750 g	\$3.22	0.43¢/g	Fodos
Fodos muesli 500 g	\$1.90	0.38¢/g	
Delicious yoghurt 250g	\$1.20	0.48¢/g	Organic
Organic yoghurt 200 g	\$1.00	0.5¢/g	

Worksheet B3:

1. a) \$319.80 b) 5 c) \$5116.80 d) \$1918.80

2. Timetravel computers (\$3600)

Worksheet C1:

2.

Time	Place	Peak/ Off peak	Min:Sec	Dialtone charge	
				Save 30	Save 60
6:31 pm	Jindabyne	Peak	1:21	\$0.89	\$1.20
6:39 pm	Canberra	Peak	18:27	\$8.71	\$13.10
8:43 pm	Mossy Point	Off peak	8:46	\$2.90	\$2.85
9:06 pm	Batemans Bay	Off peak	48:29	\$14.75	\$14.70
9:38 pm	Batemans Bay	Off peak	10:38	\$3.50	\$3.45

Time	Place	Peak/ Off peak	Min:Sec	Beep Beep charge	
				20 Plan	30 Plan
6:31 pm	Jindabyne	Peak	1:21	\$1.55	\$1.25
6:39 pm	Canberra	Peak	18:27	\$16.85	\$13.15
8:43 pm	Mossy Point	Off peak	8:46	\$3.80	\$2.72
9:06 pm	Batemans Bay	Off peak	48:29	\$19.60	\$13.78
9:38 pm	Batemans Bay	Off peak	10:38	\$4.60	\$3.28

Worksheet C2:

2. megajoules per day, cents per day, kilowatts, dollars, days
3. gas, electricity
4. eg: Comparison of gas usage, Your household consumption patterns
5. eg: While the average daily consumption of gas has risen, the average cost of this consumption has fallen. While average consumption and cost have dropped slightly since the last bill, they are both up when compared to the same period last year.

Worksheet C3:

2. a) 1.08 kL b) \$75.38 c) less
3. a) 2205 L b) 350 L c) 70 L d) 420 L

Worksheet D1:

1. a) yes \$144.35 b) \$262.03 c) \$262.03
2. a) 31 days \times 0.04397% (daily rate) = 1.36307%
 $0.0136307 \times \$237.03 = \3.23
 b) 29 days \times 0.04397% (daily rate) = 1.27513%
 $0.0127513 \times 100 = \$1.28$

Worksheet E1:

1. a) $I = \$6000 \times 0,08 \times 4 = \1920 or
 $I = \$6000 \times (0.08/12) \times 48 = \1920
 b) $I = \$3500 \times 0,07 \times 3 = \735
 c) $I = \$500 \times 0.15 \times 4 = \300
2. a) $E = \frac{2 \times 4 \times 0.08}{5} = 12.8\%$
 b) $E = \frac{2 \times 3 \times 0.7}{4} = 10.5\%$
 c) $E = \frac{2 \times 4 \times 1.5}{5} = 24\%$

Worksheet E2:

1. a) 24 b) \$3389.28 c) \$389.28

$$2. 2000 = M \frac{(1.02)^4 - 1}{0.02(1.02)^4}$$

$$2000 = M \frac{0.0824321}{0.216486}$$

$$M = 2000 \div 3.8077335$$

$$M = \$525.25$$

Worksheet E3:

1. \$89.06 2 a) \$666.67 b) \$657.19 c) \$644.33 d) \$7725.99

4. a) \$836.45 b) 980.12 c) \$617.46