



## ERRATA

### MATHEMATICAL APPLICATIONS (Second edition) MATHEMATICS FOR YEAR 12

#### Second edition - 2007 initial print run

page 35 **EXAMPLE 25**

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House size in photograph is incorrect.

page 82 **EXAMPLE 8** last line of the solution should be:

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$$\begin{aligned} \text{b Interest} &= F_v - P_v \\ &= \$18\,544.53 - \$15\,000 \\ &= \$3\,544.53 \end{aligned}$$

page 83 **EXAMPLE 10** last line of the solution should be:

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$n = 28.9$  Thus, 29 half-years are required, i.e., 14.5 years.

page 99 **EXAMPLE 22** solution

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a Using a graphics calculator,

```
N=120
I%=8
PV=-5000
PMT=-250
FV=56909.81239
P/Y=12
C/Y=52
PMT:BEGIN
```

Shihoko will have  
\$56 909.81 after  
10 years.

page 173 **EXAMPLE 21** solution

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b Pauline Products is achieving reasonable gross profits of \$214 390 on goods purchased for \$120 610 (a 78% markup!). Expenses are reasonable at \$141 703, leaving net profit of \$73 687. This is quite good, assuming an owner operated business.

page 178 **EXAMPLE 22** 2nd paragraph should read:

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Each hamburger has variable costs of a mince pattie (45 cents), a bread roll (50 cents), salad (45 cents), sauce (5 cents) and wrapping (5 cents).  
Mac sells each hamburger for \$4.50.

page 179 **EXAMPLE 22** solution

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$$\begin{aligned} \text{a Variable cost per hamburger} &= \$0.45 + \$0.50 + \$0.45 + \$0.05 + \$0.05 \\ &= \$1.50 \end{aligned}$$

page 180 **EXAMPLE 23** first paragraph should read:

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Again consider Mac deciding to introduce hamburgers to his deli's lunchtime menu. Recall that the fixed costs of hiring equipment to do this are \$60 per week. Each hamburger has variable costs of a mince pattie (45 cents), a bread roll (50 cents), salad (45 cents), sauce (5 cents) and wrapping (5 cents).

page 186 **EXAMPLE 25** solution, change third line

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$$\begin{aligned} \text{a A sole trader is taxed the same as an individual so the tax payable would be:} \\ \text{Tax on } \$150\,000 &= \$47\,100.00 \\ \text{Tax on } \$10\,000 &= \$4500.00 \quad \{10\,000 \times 0.45\} \end{aligned}$$

