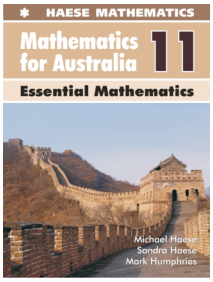


ERRATA

MATHEMATICS FOR AUSTRALIA 11

Essential Mathematics

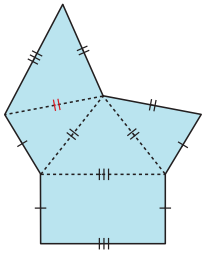
First edition - 2015 initial print

The following errata were made on 15/Aug/2016

page 117 **CHAPTER 5 EXERCISE 5H** question **2 a** should include double tick mark:

2 Draw and name the solids which would be formed from the following nets:

a

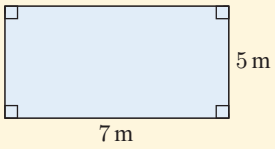


page 159 **CHAPTER 7 EXAMPLE 7** question **b** should have triangle height be 6 cm:

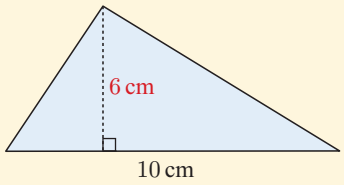
Example 7 — Self Tutor

Find the area of:

a



b



a $A = \text{length} \times \text{width}$
$= 7 \times 5 \text{ m}^2$
$= 35 \text{ m}^2$

b $A = \frac{1}{2} \times \text{base} \times \text{height}$
$= \frac{1}{2} \times 10 \times 6 \text{ cm}^2$
$= 30 \text{ cm}^2$

page 257 **CHAPTER 12 EXAMPLE 4** solution should have approximation sign:

Example 4 — Self Tutor

You would like to earn \$6000 in interest on a 4 year investment of \$18 000. What flat rate of interest would you need to find?

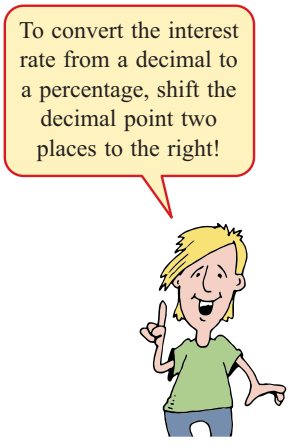
$I = 6000, \quad P = 18\,000, \quad n = 4$

Now $I = P \times i \times n$, so $i = \dfrac{I}{P \times n}$

$\therefore \quad i = \dfrac{6000}{18\,000 \times 4}$

$\therefore \quad i \approx 0.0833$

A flat rate of interest of $8\frac{1}{3}\%$ p.a. is required.



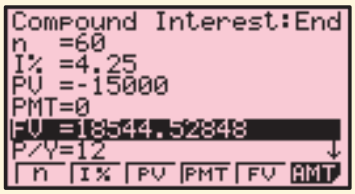
page 264 **CHAPTER 12 EXAMPLE 10** solution should have approximation sign:

Example 10 — Self Tutor

Sally invests \$15 000 in an account that pays 4.25% p.a. compounded monthly. How much is her investment worth after 5 years?

$N = 5 \times 12 = 60, \quad I\% = 4.25, \quad PV = -15\,000, \quad PMT = 0, \quad P/Y = 12, \quad C/Y = 12$

Casio fx-9860G PLUS



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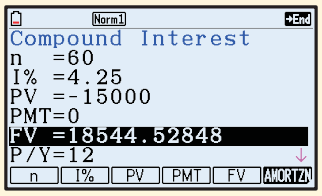

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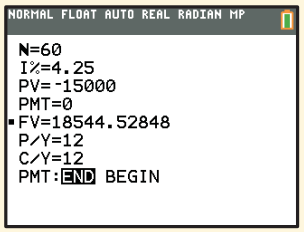

$\therefore \quad FV \approx 18\,544.53$

Sally's investment is worth \$18 544.53 after 5 years.

page 265 **CHAPTER 12 EXAMPLE 11** solution should have approximation sign:

Example 11 — Self Tutor

Halena is investing money in a term deposit paying 5.2% p.a. compounded quarterly. How much does she need to deposit now, in order to collect \$5000 at the end of 3 years?

$N = 3 \times 4 = 12, \quad I\% = 5.2, \quad PMT = 0, \quad FV = 5000, \quad P/Y = 4, \quad C/Y = 4$

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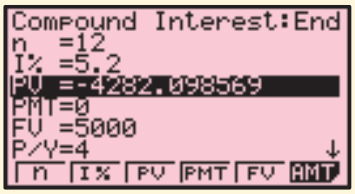

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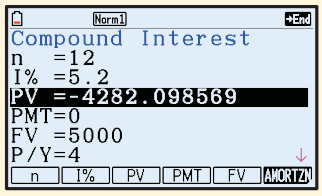

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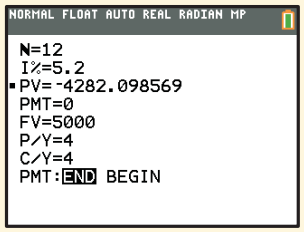

$\therefore \quad PV \approx -4282.10$

Thus, \$4282.10 needs to be deposited.