

# ERRATA

## MATHEMATICS FOR THE INTERNATIONAL STUDENT 8

### MYP 3

#### First edition - 2009 reprint

page 8 **TABLE OF CONTENTS** change section number:

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**26 ACTIVITIES**                      **495**

page 44 **RULES FOR ROUNDING** change 2nd and 3rd bullet points as follows:

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- **Rounding to one decimal place**
- **Rounding to two decimal places**

page 75 **EXAMPLE 3** solution

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$$\begin{aligned} \mathbf{b} \quad & 0.042 \\ & = 0.\overbrace{04}2 \times 100\% \quad \{\text{shift decimal point 2 places to the right}\} \\ & = 4.2\% \end{aligned}$$

page 91 **TEXT** first line and blue box under the “**SIMPLE INTEREST FORMULA**” heading should be:

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The **simple interest**  $I$  can be calculated using the formula:

$$I = Crn \quad \text{where } C \text{ is the } \mathbf{principal} \text{ or the amount borrowed or invested,}$$
$$r \text{ is the } \mathbf{flat rate of interest per annum},$$
$$n \text{ is the } \mathbf{time or duration} \text{ of the loan in } \mathbf{years}.$$

page 95 **TEXT** first line under the “**THE COMPOUND INTEREST FORMULA**” heading should be:

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Suppose you invest \$1000 in the bank for 3 years, earning 10% p.a. compound interest.

page 122 **EXERCISE 5A** first paragraph of question **9** should read:

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This line graph shows the variation in the value of a gram of gold over a number of years. Determine:

page 193 **INVESTIGATION 1**

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$$\mathbf{2} \quad \mathbf{d} \quad \frac{\sqrt{15}}{\sqrt{5}}$$

page 214 **TEXT** highlighted text in blue box at the bottom of page should read:

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1 kilometre (km) = 1000 metres (m)  
1 metre (m) = 100 centimetres (cm)  
1 centimetre (cm) = 10 millimetres (mm)

page 224 **CONVERTING AREA UNITS** halfway down the page should read:

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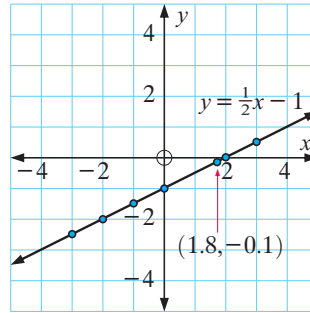
To convert units of area, we can use a conversion diagram:

Find, correct to 3 significant figures, the volume of the following solids:

page 284 **TEXT** change 6th line from bottom of page:

also, change the equation on the graph:

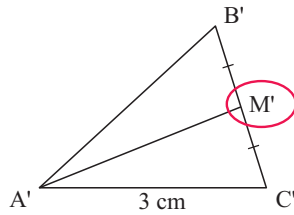
$\therefore (1.8, -0.1)$  also satisfies  $y = \frac{1}{2}x - 1$ .



page 331 **TEXT UNDER THE SECTION HEADING** fifth line should read:

$AP = A'P$ ,  $BQ = B'Q$ , and so on.

page 338 **TEXT** correct diagram:



page 356 **FACTORISING WITH COMMON FACTORS**

is **expansion**

$$5(x - 1) = 5x - 5$$

is **factorisation**

page 420 **TEXT** last line on the page should read:

every field of mathematics which existed in his day.

page 463 **EXAMPLE 5** solution – last line of calculator instructions should read:

{ **2nd** **cos** **(** 2.67 **÷** 5.92 **)** **ENTER** }

page 499 **ACTIVITY 5**

**Hint:** You could equate gradients of line segments.

page 512 **ANSWERS EXERCISE 7E** last line of the answer to question 4e should read:

So, opposite angles of the quadrilateral add to  $180^\circ$ .

page 515 **ANSWERS EXERCISE 10E**

7 2.89 m<sup>2</sup>

page 530 **ANSWERS EXERCISE 18E**

1 a The fish sold in week 2 looks to be 4 times as much as in week 1 whereas it is actually only double.

page 538 **ANSWERS EXERCISE 24A**

4 d add a direction to the edge  
John  $\rightarrow$  Rupesh could indicate that John beat Rupesh.