

# ACCA ERRATA SHEET

# **ACCA P3 Study Text**

For Exams in September 2017, December 2017, March 2018 and June 2018

## Chapter 14, Page 513, Section 12.2.4 Example: Scarce Resources

### 12.2.3 Efficient use of scarce resources

Usually output is restricted by level of demand, rather than by the organisation's ability to produce. However, sometimes there is a limit to the amount that can be produced due to a scarce (limiting) factor, such as labour, space or machinery.

The most profitable combination of products will occur where the contribution per unit of the scarce factor is maximised.

### 12.2.4 Example: Scarce resources

A business makes three different products, as follows:

Product	A	В	С	
Selling price per unit (\$)	20	25	23	
Variable cost per unit (\$)	10	8	12	
Weekly demand (units)	25	20	30	
Machine time per unit (hours)	4	3	4	

Fixed costs are not affected by the choice of product because all three products use the same machine.

Machine time is limited to 148 hours a week.

Which combination of products should be manufactured if the business is to produce the highest profit?

The selling prices in the example above in respect of Products A and B should be switched so that Product A has a selling price of \$25 and Product B has a selling price of \$20.