

MARK SCHEME for the 2006 question paper

<p style="text-align: center;">CAMBRIDGE INTERNATIONAL DIPLOMA IN ICT 5192A Data Analysis</p>
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This mark scheme is published as an aid to teachers and students, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began.

All Examiners are instructed that alternative correct answers and unexpected approaches in candidates' scripts must be given marks that fairly reflect the relevant knowledge and skills demonstrated.

Mark schemes must be read in conjunction with the question papers and the report on the examination.

The grade thresholds for various grades are published in the report on the examination for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses.

- CIE will not enter into discussions or correspondence in connection with these mark schemes.

CIE is publishing the mark schemes for the October/November 2006 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

Formula:
Countif the number of Small
Countif the number of Large
 Alignment not important
 Row/Column may not be the same as this example
 Do not penalise the use of named cells/
 ranges

Formula:
If Purchase >=300 then use content of named cell 'seven',
else use content of named cell 'five' * multiplied by the
content of Purchase price cell
 Alignment not important
 Row/Column may not be the same as this example
 Must display the use of named ranges

Formula:
 Adding Purchase
 and Increase
 Alignment not
 important
 Row/Column may
 not be the same as
 this example

Number of stock items	
Small	=COUNTIF(\$C\$9:\$C\$20,A5)
Large	=COUNTIF(\$C\$9:\$C\$20,A6)

Date	Item	Size	Purchase	Increase	Sale
March 24, 2006	Basic exercise bike			=IF(D9>=300,D9*seven,D9*five)	=SUM(D9:E9)
March 30, 2006	Cross trainer			=IF(D10>=300,D10*seven,D10*five)	=SUM(D10:E10)
April 6, 2006	Multi gym			=IF(D11>=300,D11*seven,D11*five)	=SUM(D11:E11)
April 15, 2006	Treadmill			=IF(D12>=300,D12*seven,D12*five)	=SUM(D12:E12)
May 19, 2006	Rowing machine			=IF(D13>=300,D13*seven,D13*five)	=SUM(D13:E13)
May 20, 2006	Trampoline			=IF(D14>=300,D14*seven,D14*five)	=SUM(D14:E14)
May 26, 2006	Benches			=IF(D15>=300,D15*seven,D15*five)	=SUM(D15:E15)
June 2, 2006	Punch bags			=IF(D16>=300,D16*seven,D16*five)	=SUM(D16:E16)
June 2, 2006	Weights			=IF(D17>=300,D17*seven,D17*five)	=SUM(D17:E17)
June 7, 2006	Elliptical cross trainers			=IF(D18>=300,D18*seven,D18*five)	=SUM(D18:E18)
June 17, 2006	Step trainer			=IF(D19>=300,D19*seven,D19*five)	=SUM(D19:E19)
June 22, 2006	Press			=IF(D20>=300,D20*seven,D20*five)	=SUM(D20:E20)

Replication:
 Both 2 formulae correctly replicated

Page orientation landscape
 This printout must show formulae view
 Column width / row height must show all of formulae and labels

Check count totals

Format Mark-up data to % with 0 dp

Information Table	
Mark-up	5%
	7%
Number of stock items	
Small	7
Large	5

Date
Accept dd/mm/yyyy or mm/dd/yyyy formats

Date	Item	Size	Purchase	Increase	Sale
March 1, 2006	Basic exercise bike	Small	\$94.00	\$4.70	\$98.70
March 30, 2006	Cross trainer	Large	\$295.00	\$14.75	\$309.75
April 6, 2006	Multi gym	Large	\$449.00	\$31.43	\$480.43
April 15, 2006	Treadmill	Large	\$839.00	\$58.73	\$897.73
May 19, 2006	Rowing machine	Small	\$519.00	\$36.33	\$555.33
May 20, 2006	Trampoline	Large	\$349.00	\$24.43	\$373.43
May 26, 2006	Benches	Small	\$139.00	\$6.95	\$145.95
June 2, 2006	Punch bags	Small	\$258.00	\$12.90	\$270.90
June 2, 2006	Weights	Small	\$79.00	\$3.95	\$82.95
June 7, 2006	Elliptical cross trainers	Large	\$444.00	\$31.08	\$475.08
June 17, 2006	Step trainer	Small	\$45.00	\$2.25	\$47.25
June 22, 2006	Press	Small	\$88.00	\$4.40	\$92.40

Test data:
First 4 columns must be 100% accurate
Date must contain month in words but format may be different to this.

3 columns formatted to display \$ sign and set to 2 dp

This printout must show data and fit on a single page

Page 4	Mark Scheme	Syllabus
	Cambridge International Diploma – 2006	5192A

Searching:
Size equals Large
 Only these five rows should be visible

Date	Make	Size	Purchase	Increase	Sale
March 30, 2006	Cross trainer	Large	\$295.00	\$14.75	\$309.75
April 6, 2006	Multi gym	Large	\$449.00	\$31.43	\$480.43
April 15, 2006	Treadmill	Large	\$839.00	\$58.73	\$897.73
May 20, 2006	Trampoline	Large	\$349.00	\$24.43	\$373.43
June 7, 2006	Elliptical cross trainers	Large	\$444.00	\$31.08	\$475.08

Searching:
Date greater than 1 June 2006 and Purchase is greater than 150
 Only these two rows should be visible

Date	Make	Size of item	Purchase	Increase	Sale
June 2, 2006	Punch bags	Small	\$258.00	\$12.90	\$270.90
June 7, 2006	Elliptical cross trainers	Large	\$444.00	\$31.08	\$475.08