CAMBRIDGE

2003

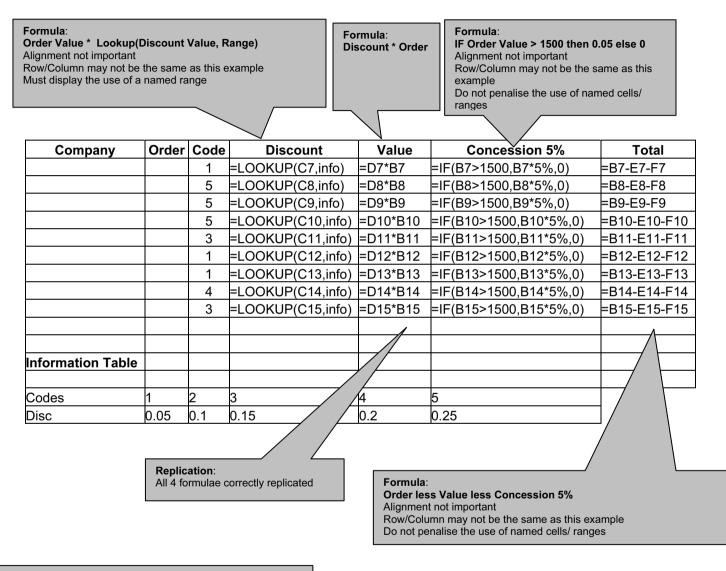
CAREER AWARD IN ICT Standard Level

MARK SCHEME

**MODULE: 5192/A** 

DATA ANALYSIS

Page 1	Mark Scheme	Module
	ICT CAREER AWARD - 2003	5192/A



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

Page 2	Mark Scheme	Module
	ICT CAREER AWARD - 2003	5192/A

	Format Order Va	lue as Intege	r		esults in the Order, Va Il columns to 2dp	lue, Concession
Company	Order	Cd	Discount	Value	Concession 5%	Total
Evergreens	\$1,735.79	1\/	5%	\$86.79	\$86.79	\$1,562.2
Patel Inds	\$1,589.65	5 <sup>V</sup>	25%	\$397.41	\$79.48	\$1,112.7
Price Mart	\$2,478.36	5	25%	\$619.59	\$123.92	\$1,734.8
Sam's Café	\$89.47	5	25%	\$22.37	\$0.00	\$67.1
Toy Store	\$4,832.96	3	15%	\$724.94	\$241.65	\$3,866.3
Wilson's Store	\$7,892.00	1	5%	\$394.60	\$394.60	\$7,102.8
Sam's Café	\$125.36	1	5%	\$6.27	\$0.00	\$119.0
Rowley Shop	\$1,273.14	4	20%	\$254.63	\$0.00	\$1,018.5
Watkins Sports	\$4,587.00	3	15%	\$688.05		\$3,669.6
Codes Disc		10%	3%	4 20%	5	
Test data: First 3 columns must be	100% accurate	Format Dis Percentag		Format Tot	al Value to Currency w	vith \$ sign and 20
e orientation not speci	e 1			]		

Page 3	Mark Scheme	Module
	ICT CAREER AWARD - 2003	5192/A

#### Searching: Discount Code equal to or greater than 3 and Total Value greater than 1500 Only these three rows should be visible

Company	Order	Code	Discour	Value	<b>Concession 5%</b>	Total
Price Mart	\$2,478.36	5	25%	\$619.59	\$123.92	\$1,734.85
Toy Store	\$4,832.96	3	15%	\$724.94	\$241.65	\$3,866.37
Watkins Sports	\$4,587.00	3	15%	\$688.05	\$229.35	\$3,669.60

Searching: Discount Value equals 5 and Concession % does not equal 0 Only these two rows should be visible

Company	Order	Code	Discount	Value	<b>Concession 5%</b>	Total	
Patel Inds	\$1,589.65	5	25%	\$397.41	\$79.48	\$1,112.76	
Price Mart	\$2,478.36	5	25%	\$619.59	\$123.92	\$1,734.85	

CAMBRIDGE

2003

### CAREER AWARD IN ICT Standard Level

### MARK SCHEME

**MODULE: 5192/B** 

**DATA ANALYSIS** 

Page 1	Mark Scheme	Module
	ICT CAREER AWARD - 2003	5192/B

Formula: Formula: IF Precious = p 2.5 else 1.5 Cut Cost = Lookup(Facet in Named Range)/Carat Alignment not important Alignment not important Row/Column may not be the same as this example Row/Column may not be the same as this example Do not penalise the use of named cells/ ranges Must display the use of a named range **Cutting options** Gem cut cabochons faceted Cutting cost 5 10

Name	Precious	Gem Cut	Carat	Carat Value	Cut Cost	Insurance	Total Value
					=LOOKUP(C7,cut)/D7	=IF(B7="p",D7*2.5,D7*1.5)	=D7*E7+F7+G
					=LOOKUP(C8,cut)/D8	=IF(B8="p",D8*2.5,D8*1.5)	=D8*E8+F8+G
					=LOOKUP(C9,cut)/D9	=IF(B9="p",D9*2.5,D9*1.5)	=D9*E9+F9+G
					=LOOKUP(C10,cut)/D10	=IF(B10="p",D10*2.5,D10*1.5)	=D10*E10+F10+G1
					=LOOKUP(C11,cut)/D11	=IF(B11="p",D11*2.5,D11*1.5)	=D11*E11+F11+G1
					=LOOKUP(C12,cut)/D12	=IF(B12="p",D12*2.5,D12*1.5)	=D12*E12+F12+G1
					=LOOKUP(C13,cut)/D13	=IF(B13="p",D13*2.5,D13*1.5)	=D13*E13+F13+G1
					=LOOKUP(C14,cut)/D14	=IF(B14="p",D14*2.5,D14*1.5)	=D14*E14+F14+G1
					=LOOKUP(C15,cut)/D15	=IF(B15="p",D15*2.5,D15*1.5)	=D15*E15+F15+G1
					=LOOKUP(C16,cut)/D16	=IF(B16="p",D16*2.5,D16*1.5)	=D16*E16+F16+G1
					=LOOKUP(C17,cut)/D17	=IF(B17="p",D17*2.5,D17*1.5)	=D17*E17+F17+G1
					=LOOKUP(C18,cut)/D18	=IF(B18="p",D18*2.5,D18*1.5)	=D18*E18+F18+G1

Replication: All 3 formulae correctly replicated

> Formula: Carat\*Carat Value plus Cut Cost plus Insurance Alignment not important Row/Column may not be the same as this example Do not penalise the use of named cells/ ranges

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

Page 2	Mark Scheme	Module
	ICT CAREER AWARD - 2003	5192/B

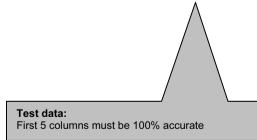
Format the results in the Carat Value, Cut Cost, Insurance and Total Value columns to *currency showing the \$ and 2 dp* 

#### **Cutting options**

Gem cut	cabochons	faceted
Cutting cost	5	10



Name	Precious	Gem Cut	Carat	Carat Value	Cut Cost	Insurance	Total Value
Amethyst	sp	faceted	17.9	\$5.00	\$0.56	\$26.85	\$116.91
Amethyst	sp	cabochons	25.9	\$6.00	\$0.19	\$38.81	\$194.22
Aquamarine	sp	faceted	2.23	\$31.50	\$4.48	\$3.35	\$78.07
Citrine	sp	faceted	18.9	\$12.00	\$0.53	\$28.32	\$255.41
Diamond	р	faceted	0.29	\$862.00	\$34.48	\$0.73	\$285.19
Emerald	р	cabochons	0.42	\$357.00	\$11.90	\$1.05	\$162.89
Garnet	sp	cabochons	6.34	\$26.00	\$0.79	\$9.51	\$175.14
Peridot	sp	faceted	3.52	\$30.00	\$2.84	\$5.28	\$113.72
Ruby	р	faceted	0.7	\$286.00	\$14.29	\$1.75	\$216.24
Sapphire	р	faceted	1.51	\$100.00	\$6.62	\$3.78	\$161.40
Tanzanite	sp	cabochons	1.12	\$151.00	\$4.46	\$1.68	\$175.26
Topaz	sp	faceted	15.8	\$11.00	\$0.63	\$23.70	\$198.13



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Page 3	Mark Scheme	Module
	ICT CAREER AWARD - 2003	5192/B

Searching: *Total Value* is greater than 150 and *Precious* is *sp* Only these five rows should be visible

						$\sim$	
Name	Precious	Gem Cut	Carat	Carat Value	Cut Cost	Insurance	Total Value
Amethyst	sp	cabochons	25.87	\$6.00	\$0.19	\$38.81	\$194.22
Citrine	sp	faceted	18.88	\$12.00	\$0.53	\$28.32	\$255.41
Garnet	sp	cabochons	6.34	\$26.00	\$0.79	\$9.51	\$175.14
Tanzanite	sp	cabochons	1.12	\$151.00	\$4.46	\$1.68	\$175.26
Topaz	sp	faceted	15.8	\$11.00	\$0.63	\$23.70	\$198.13

Searching: Facet equals faceted and Insurance less than 5.00 Only these four rows should be visible

Name	Precious	Gem Cut	Carat	Carat Value	Cut Cost	Insurance	Total Value
Aquamarine	sp	faceted	2.23	\$31.50	\$4.48	\$3.35	\$78.07
Diamond	р	faceted	0.29	\$862.00	\$34.48	\$0.73	\$285.19
Ruby	р	faceted	0.7	\$286.00	\$14.29	\$1.75	\$216.24
Sapphire	р	faceted	1.51	\$100.00	\$6.62	\$3.78	\$161.40

CAMBRIDGE

2003

### CAREER AWARD IN ICT Standard Level

### MARK SCHEME

**MODULE: 5192/C** 

DATA ANALYSIS

	Page 1	103	Mark Scheme	Module		
			CAREER AWARD - 2	003	5192/C	
Alignment not impo Row/Column may r	<b>b</b> ( <b>Category in Named</b> Irtant not be the same as this e of a named range	• /				
		$\checkmark$				

Category	Car Type	Doors	Rate	Ins Rate	Insurance	Total	Deposit
				=LOOKUP(A2,ins)	=D2*E2	=D2+F2	=IF(D2>60,"Yes","No")
				=LOOKUP(A3,ins)	=D3*E3	=D3+F3	=IF(D3>60,"Yes","No")
				=LOOKUP(A4,ins)	=D4*E4	=D4+F4	=IF(D4>60,"Yes","No")
				=LOOKUP(A5,ins)	=D5*E5	=D5+F5	=IF(D5>60,"Yes","No")
				=LOOKUP(A6,ins)	=D6*E6	=D6+F6	=IF(D6>60,"Yes","No")
				=LOOKUP(A7,ins)	=D7*E7	=D7+F7	=IF(D7>60,"Yes","No")
				=LOOKUP(A8,ins)	=D8*E8	=D8+F8	=IF(D8>60,"Yes","No")
				=LOOKUP(A9,ins)	=D9*E9	=D9 <b>+</b> F9	=IF(D9>60,"Yes","No")

#### Insurance Table

Category	Ins
А	0.1
В	0.15
С	0.2
D	0.25
E	0.3
F	0.35

Formula:

#### Rate + Insurance

Alignment not important Row/Column may not be the same as this example Do not penalise the use of named cells

Page orientation landscape

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

Formula:

Alignment not important

IF Rate greater than 60, Yes if less than or equal to 60 No

Row/Column may not be the same as this example Do not penalise the use of named cells/ ranges

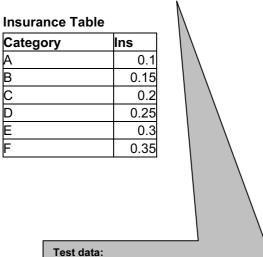
### Mark Scheme **ICT CAREER AWARD - 2003**

Module 5192/C

Format the results in the Ins Rate column to percentage

Format the results in the Rate, Insurance and Total columns to currency showing \$ and 2 dp

		1	$\sim$				
Category	Car Type	Doors	Rate	Ins Rate	Insurance	Total	Deposit
A	Economy	2	\$38.00	10%	\$3.80	\$41.80	No
В	Compact	2	\$44.00	15%	\$6.60	\$50.60	No
В	Compact	4	\$48.00	15%	\$7.20	\$55.20	No
С	Intermediate	2	\$58.00	20%	\$11.60	\$69.60	No
С	Intermediate	4	\$60.00	20%	\$12.00	\$72.00	No
D	Jeep wrangler	2	\$78.00	25%	\$19.50	\$97.50	Yes
E	Premium	4	\$94.00	30%	\$28.20	\$122.20	Yes
F	Luxury	4	\$95.00	35%	\$33.25	\$128.25	Yes



Four columns and Insurance Table must be 100% accurate

Page orientation not specified This printout must show data and fit on a single page Page 3

#### Mark Scheme ICT CAREER AWARD - 2003



#### Searching:

**Total greater than 60 and less than 100 and Doors = 2** Only these two rows should be visible

Ins Rate Insurance Category Car Type Doors Rate Total Deposit С Intermediate 2 \$58.00 20% \$11.60 \$69.60 No D 2 \$78.00 25% \$19.50 \$97.50 Jeep wrangler Yes

> Searching: *Total* is greater than 50 and the *Category* is *B* or *C* Only these four rows should be visible

Category	Car Type	Doors	Rate	Ins Rate	Insurance	Total	Deposit
В	Compact	2	\$44.00	15%	\$6.60	\$50.60	No
В	Compact	4	\$48.00	15%	\$7.20	\$55.20	No
С	Intermediate	2	\$58.00	20%	\$11.60	\$69.60	No
С	Intermediate	4	\$60.00	20%	\$12.00	\$72.00	No