

Essentials of Mathematics 10
2008/09 Released Exam
April 2009 — Form A
 Provincial Examination — Answer Key

Cognitive Processes	Weightings	Question Types
K = Knowledge	13.3%	52 = Multiple Choice (MC)
U = Understanding	73.3%	8 = Numerical Response (NR)
H = Higher Mental Processes	13.3%	

Topics	Prescribed Learning Outcomes (PLOs)	Weightings
1. Spreadsheets	A1 – A6	10 – 15%
2. Personal Banking	A7 – A11	10 – 15%
3. Wages, Salaries and Expenses	A12 – A15	10 – 15%
4. Rates, Ratio and Proportion	B1 – B4	10 – 15%
5. Trigonometry	C1 – C2	10 – 15%
6. Geometry Project	C3 – C10	15 – 20%
7. Probability and Sampling	D1 – D5	15 – 20%

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type	Question Source
1.	B	K	1	2	A8	MC	
2.	A	U	1	2	A9	MC	
3.	A	U	1	2	A8	MC	
4.	750	U	1	2	A9	NR	
5.	B	U	1	2	A7	MC	
6.	A	U	1	3	A13	MC	
7.	B	H	1	3	A13	MC	
8.	C	U	1	2	A11	MC	
9.	D	K	1	2	A10	MC	
10.	C	U	1	3	A12	MC	
11.	A	U	1	3	A12	MC	
12.	19	U	1	3	A12	NR	
13.	B	U	1	3	A15	MC	
14.	D	U	1	3	A14	MC	
15.	D	H	1	3	A15	MC	

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type	Question Source
16.	D	K	1	1	A2	MC	
17.	C	U	1	1	A3	MC	
18.	C	U	1	1	A2, 4	MC	
19.	2.80	U	1	1	A3	NR	
20.	A	U	1	1	A5	MC	
21.	D	H	1	1	A4	MC	
22.	C	K	1	4	B2	MC	
23.	D	U	1	4	B4	MC	
24.	B	U	1	4	B3	MC	
25.	C	U	1	4	B2, 3	MC	
26.	A	U	1	4	B4, 1	MC	
27.	48.62 – 48.64	U	1	4	B2, 3	NR	
28.	A	U	1	4	B1	MC	
29.	A	H	1	4	B1	MC	
30.	D	U	1	4	B4	MC	
31.	D	U	1	5	C2	MC	
32.	A	K	1	5	C1	MC	
33.	B	U	1	5	C2	MC	
34.	3	U	1	5	C1	NR	
35.	B	H	1	5	C2	MC	
36.	D	U	1	5	C2, 4	MC	
37.	C	K	1	6	C3	MC	
38.	D	U	1	6	C8, 3	MC	
39.	D	U	1	6	C4	MC	
40.	C	U	1	6	C3	MC	
41.	C	H	1	6	C8, 9	MC	
42.	24	U	1	6	C4	NR	
43.	B	U	1	6	C5, 6	MC	
44.	A	U	1	6	C9, 5	MC	
45.	A	U	1	6	C5, 9	MC	

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type	Question Source
46.	D	K	1	6	C6	MC	
47.	D	U	1	6	C7	MC	
48.	A	U	1	6	C6	MC	
49.	6	U	1	6	C6	NR	
50.	A	U	1	6	C7	MC	
51.	C	H	1	6	C5, 6	MC	
52.	C	U	1	7	D1, 3	MC	
53.	B	K	1	7	D1, 3	MC	
54.	C	U	1	7	D1	MC	
55.	A	U	1	7	D2	MC	
56.	A	U	1	7	D1, 3	MC	
57.	110	U	1	7	D1	NR	
58.	C	H	1	7	D1	MC	
59.	B	U	1	7	D4	MC	
60.	B	H	1	7	D4	MC	