

Essentials of Mathematics 10
2007/08 Released Exam
August 2008 — 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
1.	C	K	1	2	A10	MC
2.	D	U–	1	2	A9	MC
3.	C	U–	1	2	A10	MC
4.	407.38	U–	1	2	A8	NR
5.	B	H	1	2	A11	MC
6.	B	U+	1	2	A7	MC
7.	B	U–	1	2	A12	MC
8.	C	U+	1	2	A14	MC
9.	D	K	1	3	A12	MC
10.	C	U–	1	3	A13	MC
11.	D	U+	1	3	A13	MC
12.	23.85	U+	1	3	A14	NR
13.	A	U+	1	3	A15	MC
14.	B	U+	1	3	A12	MC
15.	C	H	1	3	A15	MC

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type
16.	A	K	1	1	A2	MC
17.	C	U-	1	1	A4	MC
18.	D	U+	1	1	A4, 5	MC
19.	755.82	U-	1	1	A3	NR
20.	C	U+	1	1	A3, 4	MC
21.	B	U-	1	4	B1	MC
22.	B	H	1	4	B1	MC
23.	D	K	1	4	B4	MC
24.	A	U-	1	4	B3	MC
25.	B	U+	1	4	B2, 3	MC
26.	B	U+	1	4	B2, 3	MC
27.	0.16	U-	1	4	B2	NR
28.	A	U+	1	4	B4	MC
29.	B	U+	1	4	B1, 4	MC
30.	C	H	1	4	B1, 3	MC
31.	D	U-	1	5	C1	MC
32.	C	U+	1	5	C1	MC
33.	C	K	1	5	C2	MC
34.	20.0	U-	1	5	C2	NR
35.	D	H	1	5	C2	MC
36.	C	U-	1	5	C1	MC
37.	A	U+	1	6	C8	MC
38.	A	K	1	6	C3	MC
39.	A	U-	1	6	C4, 3	MC
40.	D	U+	1	6	C9, 5	MC
41.	B	U+	1	6	C8	MC
42.	18	U-	1	6	C8	NR
43.	C	H	1	6	C4, 9	MC
44.	B	U-	1	6	C4	MC
45.	B	U+	1	6	C9	MC

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type
46.	D	K	1	6	C7	MC
47.	C	U-	1	6	C7	MC
48.	A	U+	1	6	C6	MC
49.	54	U-	1	6	C5	NR
50.	B	U+	1	6	C6	MC
51.	C	H	1	6	C7, 5	MC
52.	A	U-	1	7	D2	MC
53.	B	U+	1	7	D3	MC
54.	D	U+	1	7	D3	MC
55.	C	U+	1	7	D2	MC
56.	D	U-	1	7	D1	MC
57.	0.16 to 0.17	K	1	7	D4	NR
58.	A	U-	1	7	D1	MC
59.	B	H	1	7	D4	MC
60.	A	U-	1	7	D4	MC