

Essentials of Mathematics 10  
**August 2007 — Form A**  
 Provincial Examination — Answer Key

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

Topics	Prescribed Learning Outcomes (PLOs)	Weightings
1. Problem Solving	A	Integrated throughout
2. Personal Banking	B	20 – 30%
3. Wages, Salaries and Expenses	C	25%
4. Spreadsheets	D	35 – 40%
5. Rates, Ratio and Proportion	E	10 – 15%
6. Trigonometry	F	10 – 15%
7. Geometry Project	G	15 – 20%
8. Probability and Sampling	H	15 – 20%

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type	Question Source
1.	C	K	1	2	B3, 4	MC	
2.	C	U–	1	2	B2	MC	
3.	B	U+	1	2	B5, 4	MC	
4.	10.55	U–	1	2	B4, 1	NR	
5.	C	U–	1	2	B1, 4	MC	
6.	D	U+	1	2	B2	MC	
7.	B	U–	1	2	B3	MC	
8.	A	H	1	2	B5	MC	
9.	B	K	1	3	C2	MC	
10.	D	U+	1	3	C3	MC	
11.	B	U+	1	3	C2	MC	
12.	305.57	U–	1	3	C2	NR	
13.	B	U+	1	3	C4	MC	
14.	A	U–	1	3	C1	MC	
15.	C	H	1	3	C3	MC	

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type	Question Source
16.	D	K	1	4	D1	MC	
17.	A	U-	1	4	D3	MC	
18.	C	U+	1	4	D3	MC	
19.	23.94	U-	1	4	D2	NR	
20.	C	U+	1	4	D2, 3	MC	
<del>21.</del>	<del>A</del>	<del>U-</del>	<del>1</del>	<del>4</del>	<del>D5</del>	<del>MC</del>	
22.	A	H	1	4	D4, 3	MC	
23.	C	K	1	5	E4	MC	
24.	B	U-	1	5	E2	MC	
25.	C	U-	1	5	E3	MC	
26.	C	U+	1	5	E3	MC	
27.	36.13	U-	1	5	E2	NR	
28.	B	U-	1	5	E4	MC	
29.	D	U+	1	5	E1, 4	MC	
30.	A	H	1	5	E1, 3	MC	
31.	A	U-	1	6	F1	MC	
32.	B	K	1	6	F2	MC	
33.	B	U+	1	6	F1	MC	
34.	38.7	U-	1	6	F2	NR	
35.	A	U-	1	6	F2	MC	
36.	C	U+	1	6	F2	MC	
37.	C	U-	1	6	F1	MC	
38.	D	K	1	7	G1, 7	MC	
39.	D	U+	1	7	G1	MC	
40.	D	U-	1	7	G2	MC	
41.	A	U-	1	7	G7	MC	
42.	18	U-	1	7	G6, 5	NR	
43.	C	U-	1	7	G7	MC	
44.	A	U+	1	7	G8	MC	
45.	D	H	1	7	G8	MC	

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type	Question Source
46.	B	K	1	7	G4	MC	
47.	B	U-	1	7	G3	MC	
48.	C	U+	1	7	G3, 8	MC	
49.	750	U-	1	8	H6	NR	
50.	D	U-	1	8	H6	MC	
51.	D	U+	1	8	H6	MC	
52.	B	U+	1	8	H7	MC	
53.	A	U-	1	8	H2	MC	
54.	C	H	1	8	H4	MC	
55.	A	U+	1	8	H3	MC	
56.	C	K	1	8	H2	MC	
57.	49	U-	1	8	H6	NR	
58.	A	U+	1	8	H5	MC	
59.	D	H	1	8	H8	MC	
60.	A	U-	1	8	H1	MC	