

Essentials of Mathematics 10
August 2006 — Form A
 Provincial Examination — Answer Key

Cognitive Processes

K = Knowledge
U = Understanding
H = Higher Mental Processes

Question Types

36 = Multiple Choice (MC)
12 = Matching (MT)
8 = Numerical Response (NR)
4 = True and False (TF)

Topics

1. Problem Solving
2. Personal Banking
3. Wages, Salaries and Expenses
4. Spreadsheets
5. Rates, Ratio and Proportion
6. Trigonometry
7. Geometry Project
8. Probability and Sampling

Prescribed Learning Outcomes (PLOs)

- A
 B
 C
 D
 E
 F
 G
 H

Weightings

Integrated throughout
 20 – 30%
 25%
 35 – 40%
 10 – 15%
 Integrated throughout
 Integrated throughout
 Integrated throughout

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type
1.	D	K	1	2	B4	MC
2.	A	U	1	2	B1	MC
3.	C	U	1	2	B2	MC
4.	68	U	1	2	B2	NR
5.	E	U	1	2	B3	MT
6.	D	U	1	2	B1	MT
7.	A	U	1	2	B3	MT
8.	D	H	1	2	B5	MC
9.	C	K	1	3	C2	MC
10.	C	U	1	3	C1	MC
11.	A	U	1	3	C2	TF
12.	675	U	1	3	C4	NR
13.	A	U	1	3	C4	MC
14.	D	U	1	3	C1	MC
15.	C	H	1	3	C3	MC

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type
16.	A	K	1	4	D1	MC
17.	C	U	1	4	D2, E2	MC
18.	C	U	1	4	D3	MC
19.	51.49	U	1	4	D2, E2	NR
20.	B	H	1	4	D4, E2	MC
21.	A	U	1	4	D3, 1	TF
22.	D	U	1	4	D5	MC
23.	D	K	1	5	E4	MC
24.	C	U	1	5	E1	MT
25.	B	U	1	5	E1	MT
26.	A	U	1	5	E1	MT
27.	76.2	U	1	5	E4	NR
28.	A	U	1	5	E2, 3	MC
29.	D	H	1	5	E4, 1	MC
30.	B	U	1	5	E4	MC
31.	C	K	1	6	F2	TF
32.	A	U	1	6	F2	MC
33.	B	U	1	6	F1	MC
34.	72	U	1	6	F2	NR
35.	C	U	1	6	F2	MC
36.	C	H	1	6	F1	MC
37.	B	K	1	7	G1	MC
38.	A	U	1	7	G5	MC
39.	C	U	1	7	G1, 2	MT
40.	E	U	1	7	G1, 2	MT
41.	B	U	1	7	G1, 2	MT
42.	50	U	1	7	G8	NR
43.	A	U	1	7	G6	MC
44.	C	U	1	7	G7	MC
45.	D	H	1	7	G6	MC

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type
46.	A	K	1	7	G4	TF
47.	D	U	1	7	G3	MC
48.	C	H	1	7	G3	MC
49.	0.55	U	1	8	H6	NR
50.	D	U	1	8	H6	MT
51.	C	U	1	8	H5	MT
52.	A	U	1	8	H5	MT
53.	A	U	1	8	H1	MC
54.	B	K	1	8	H7	MC
55.	C	U	1	8	H6	MC
56.	A	U	1	8	H8, 7	MC
57.	0.30	U	1	8	H6	NR
58.	C	U	1	8	H4, 3	MC
59.	B	U	1	8	H3, 2	MC
60.	D	H	1	8	H6	MC