

Applications 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. Number
3. Patterns and Relations
4. Shape and Space
5. Statistics and Probability (Chance and Uncertainty)

**Prescribed Learning Outcomes (PLOs)**

- A  
 B  
 C  
 D  
 E

**Weightings**

Integrated Throughout  
 25%  
 25%  
 38%  
 12%

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type
1.	B	U	1	2	B7	TF
2.	D	U	1	2	B1	MT
3.	A	U	1	2	B1	MT
4.	G	U	1	2	B1	MT
5.	47	U	1	2	B7	NR
6.	A	U	1	2	B2	MC
7.	B	K	1	2	B2	MC
8.	C	U	1	2	B2	MC
9.	C	H	1	2	B2	MC
10.	D	U	1	2	B3	MC
11.	16.00	U	1	2	B4	NR
12.	D	K	1	2	B1	MC
13.	C	U	1	2	B1	MC
14.	B	H	1	2	B4, D1	MC
15.	A	U	1	2	B7	MC

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type
16.	A	K	1	3	C2	TF
17.	D	U	1	3	C3	MC
18.	C	U	1	3	C1, C3	MC
19.	24.05	U	1	3	C5, C8	NR
20.	C	H	1	3	C4	MC
21.	D	U	1	3	C6	MC
22.	C	U	1	3	C5	MC
23.	B	U	1	3	C4, C2	MC
24.	G	U	1	3	C7	MT
25.	F	U	1	3	C4	MT
26.	E	U	1	3	C7	MT
27.	6.56	U	1	3	C5	NR
28.	A	K	1	3	C7	MC
29.	A	U	1	3	C8	MC
30.	B	H	1	3	C8	MC
31.	H	U	1	4	D1	MT
32.	D	U	1	4	D1	MT
33.	A	U	1	4	D1	MT
34.	210	U	1	4	D2	NR
35.	A	U	1	4	D2, D1, B4	MC
36.	B	H	1	4	D3	MC
37.	C	U	1	4	D3	MC
38.	C	U	1	4	D4	MC
39.	B	K	1	4	D5	MC
40.	64.31	U	1	4	D5	NR
41.	A	U	1	4	D8	TF
42.	D	K	1	4	D6	MC
43.	C	U	1	4	D7	MC
44.	D	H	1	4	D8	MC
45.	C	U	1	4	D8	MC

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type
46.	B	U	1	4	D13	MC
47.	A	U	1	4	D13	MC
48.	-2	U	1	4	D12	NR
49.	B	U	1	4	D12	MC
50.	C	U	1	4	D12	MC
51.	C	U	1	4	D14	MC
52.	B	H	1	4	D10	MC
53.	B	K	1	4	D11	TF
54.	D	U	1	4	D11	MT
55.	G	U	1	4	D10	MT
56.	E	U	1	4	D14	MT
57.	19.90 – 19.99	H	1	5	E3	NR
58.	A	K	1	5	E1	MC
59.	D	U	1	5	E2	MC
60.	C	U	1	5	E4	MC