

**Applications of Mathematics 10**  
**Sample Examination 2007/08**  
 Provincial Examination — Answer Key

**Cognitive Processes**

**K** = Knowledge  
**U** = Understanding  
**H** = Higher Mental Processes

**Weightings**

13%  
 74%  
 13%

**Question Types**

**52** = Multiple Choice (MC)  
**8** = Numerical Response (NR)

**Topics**

1. Number
2. Patterns and Relations
3. Shape and Space
4. Statistics and Probability

**Prescribed Learning Outcomes (PLOs)**

A  
 B  
 C  
 D

**Weightings**

25%  
 25%  
 38%  
 12%

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type
1.	B	K	1	1	A2	MC
2.	B	U	1	1	A2	MC
3.	C	U	1	1	A2	MC
4.	C	U	1	1	A3	MC
5.	118.75	U	1	1	A2	NR
6.	A	U	1	1	A2	MC
7.	D	U	1	1	A4	MC
8.	A	H	1	1	A2	MC
9.	B	K	1	1	A2	MC
10.	D	U	1	1	A3	MC
11.	188.30	U	1	1	A3	NR
12.	A	U	1	1	A4	MC
13.	C	H	1	1	A4	MC
14.	D	U	1	1	A4	MC
15.	C	U	1	1	A1, C8	MC

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type
16.	D	K	1	2	B1	MC
17.	B	U	1	2	B2	MC
18.	D	U	1	2	B2	MC
19.	150	U	1	2	B3	NR
20.	A	U	1	2	B2	MC
21.	C	H	1	2	B6	MC
22.	A	U	1	2	B4	MC
23.	D	U	1	2	B3	MC
24.	A	U	1	2	B4	MC
25.	C	U	1	2	B6	MC
26.	B	U	1	2	B6	MC
27.	72.00	U	1	2	B4	NR
28.	D	H	1	2	B2	MC
29.	B	K	1	2	B4	MC
30.	A	U	1	2	B5	MC
31.	B	U	1	3	C5, C8	MC
32.	C	U	1	3	C5	MC
33.	B	H	1	3	C5, C8	MC
34.	9	U	1	3	C6	NR
35.	A	U	1	3	C6	MC
36.	D	K	1	3	C4	MC
37.	C	U	1	3	C7	MC
38.	C	U	1	3	C7, C8	MC
39.	B	U	1	3	C1, C8	MC
40.	160	U	1	3	C2	NR
41.	B	U	1	3	C1	MC
42.	B	H	1	3	C1	MC
43.	A	K	1	3	C3	MC
44.	C	U	1	3	C3	MC
45.	D	U	1	3	C3	MC

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type
46.	C	K	1	4	C10	MC
47.	B	U	1	4	C10	MC
48.	5.83	U	1	4	C9	NR
49.	C	U	1	4	C9	MC
50.	C	U	1	4	C12	MC
51.	D	H	1	4	C12	MC
52.	A	U	1	4	C11	MC
53.	C	K	1	4	D3	MC
54.	B	U	1	4	D1	MC
55.	A	U	1	4	D1	MC
56.	D	U	1	4	D1	MC
57.	0.93	U	1	4	D2	NR
58.	B	H	1	4	D4	MC
59.	D	U	1	4	D4	MC
60.	B	U	1	4	D3	MC