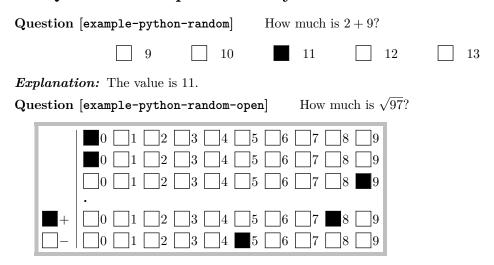**COURSE NAME**   **Question Catalog**   **June 28, 2023**

1 Question Samples

Question [`example-true-false`]   This proposition is true.

■ True   ☐ False

Explanation: A true statement is true.

Question [`example-one-choice`]   What is equal to one in $\mathbb{Z}$?

■ 1   ☐ 2   ☐ 3   ☐ 4   ☐ 5

Explanation: There is only one 1 in the set of integers.

Question [`example-multiple-choice`] ♣   Which below are the odd numbers?

■ 1   ☐ 2   ■ 3   ☐ 4   ■ 5

Explanation: All odd numbers are divisible by 2.

Question [`example-lastchoices`]   Which color do you prefer?

■ red   ■ green   ■ blue   ■ I don't care   ■ I don't know

Explanation: There is no right or wrong answer.

Question [`example-open`]   Write π with two decimal places.   ☐w ☐p ■c

3.14 ....

Explanation: $\pi = 3.14$.

2 Question Samples with Lua Code

Question [`example-lua-random`]   How much is $3 + 7$?

☐ 8   ☐ 9   ■ 10   ☐ 11   ☐ 12

Explanation: The value is 10.

Question [`example-lua-random-open`]   How much is $\sqrt{53}$?

■0 ☐1 ☐2 ☐3 ☐4 ☐5 ☐6 ☐7 ☐8 ☐9
■0 ☐1 ☐2 ☐3 ☐4 ☐5 ☐6 ☐7 ☐8 ☐9
☐0 ☐1 ☐2 ☐3 ☐4 ☐5 ☐6 ■7 ☐8 ☐9
.
■+ ☐0 ☐1 ■2 ☐3 ☐4 ☐5 ☐6 ☐7 ☐8 ☐9
☐− ☐0 ☐1 ☐2 ☐3 ☐4 ☐5 ☐6 ☐7 ■8 ☐9

Explanation: The value is 7.2801098892805.

Question [`example-lua-import`]   How much is 1×-4?

☐+ ■0 ☐1 ☐2 ☐3 ☐4 ☐5 ☐6 ☐7 ☐8 ☐9
■− ☐0 ☐1 ☐2 ☐3 ■4 ☐5 ☐6 ☐7 ☐8 ☐9

Explanation: The value is -4.

3 Question Samples with Python Code

Question [`example-python-random`]   How much is $2 + 9$?

☐ 9   ☐ 10   ■ 11   ☐ 12   ☐ 13

Explanation: The value is 11.

Question [`example-python-random-open`]   How much is $\sqrt{97}$?

	0	1	2	3	4	5	6	7	8	9
	■	☐	☐	☐	☐	☐	☐	☐	☐	☐
	■	☐	☐	☐	☐	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐	☐	☐	☐	☐	■
.										
■ +	☐	☐	☐	☐	☐	☐	☐	☐	■	☐
☐ −	☐	☐	☐	☐	☐	■	☐	☐	☐	☐

Explanation: The value is 9.848857801796104.