COURSE NAME 1st **Exam (1**st **Call)** **July 4, 2023**

Duration: 2 hours.
Talking and Electronic devices are forbidden.
Completely fill the correct squares!

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Name and Surname:

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Question 1 This proposition is true.

■ True ☐ False

Explanation: A true statement is true.

Question 2 What is equal to one in $\mathbb{Z}$?

■ 1 ☐ 4 ☐ 2 ☐ 5 ☐ 3

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

Question 3 ♣ Which below are the odd numbers?

■ 1 ☐ 2 ■ 3 ☐ 4 ■ 5

Explanation: All odd numbers are divisible by 2.

Question 4 Which color do you prefer?

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

Explanation: There is no wrong answer.

Question 5 Write π with two decimal places. ☐w ☐p ■c

3.14 ....

Explanation: $\pi = 3.14$.

Question 6 How much is $6 + 5$?

■ 11 ☐ 13 ☐ 12 ☐ 10 ☐ 9

Explanation: The value is 11.

Question 7 How much is $\sqrt{18}$?

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

Explanation: The value is 4.2426406871193.

Question 8   How much is 6×-6?

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

Explanation: The value is -36.

Question 9   How much is $9 + 0$?

□ 7   □ 10   □ 8   ■ 9   □ 11

Explanation: The value is 9.

Question 10   How much is $\sqrt{54}$?

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

Explanation: The value is 7.3484692283495345.

Question 11   How much is 5×8?

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

Explanation: The value is 40.

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Question 1   This proposition is true.

■ True   ☐ False

Explanation: A true statement is true.

Question 2   What is equal to one in $\mathbb{Z}$?

☐ 3   ☐ 4   ■ 1   ☐ 5   ☐ 2

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

Question 3 ♣   Which below are the odd numbers?

■ 5   ☐ 2   ■ 1   ☐ 4   ■ 3

Explanation: All odd numbers are divisible by 2.

Question 4   Which color do you prefer?

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

Explanation: There is no wrong answer.

Question 5   Write π with two decimal places.   ☐w ☐p ■c

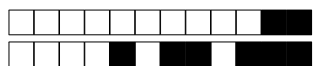3.14 ....

Explanation: $\pi = 3.14$.

Question 6   How much is $6 + 4$?

☐ 12   ■ 10   ☐ 11   ☐ 8   ☐ 9

Explanation: The value is 10.

Question 7   How much is $\sqrt{2}$?

		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 1.4142135623731.

Question 8   How much is -3×-8?

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

Explanation: The value is 24.

Question 9   How much is $0 + 3$?

☐ 1   ☐ 5   ☐ 2   ☐ 4   ■ 3

Explanation: The value is 3.

Question 10   How much is $\sqrt{59}$?

		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 7.681145747868608.

Question 11   How much is 5×-2?

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

Explanation: The value is -10.

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Question 1   This proposition is true.

■ True   ☐ False

Explanation: A true statement is true.

Question 2   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 3 ♣   Which below are the odd numbers?

☐ 2   ■ 1   ☐ 4   ■ 5   ■ 3

Explanation: All odd numbers are divisible by 2.

Question 4   Which color do you prefer?

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

Explanation: There is no wrong answer.

Question 5   Write π with two decimal places.   ☐w ☐p ■c

3.14 ....

Explanation: $\pi = 3.14$.

Question 6   How much is $0 + 10$?

■ 10   ☐ 9   ☐ 11   ☐ 8   ☐ 12

Explanation: The value is 10.

Question 7   How much is $\sqrt{98}$?

	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 9.8994949366117.

Question 8 How much is 7×-8?

	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 -56.

Question 9 How much is $10 + 2$?

□ 13   □ 10   ■ 12   □ 14   □ 11

Explanation: The value is 12.

Question 10 How much is $\sqrt{4}$?

	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 2.0.

Question 11 How much is 6×5?

	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 30.

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Question 1 This proposition is true.

■ True ☐ False

Explanation: A true statement is true.

Question 2 What is equal to one in $\mathbb{Z}$?

☐ 5 ☐ 2 ☐ 3 ☐ 4 ■ 1

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

Question 3 ♣ Which below are the odd numbers?

■ 5 ☐ 4 ■ 3 ■ 1 ☐ 2

Explanation: All odd numbers are divisible by 2.

Question 4 Which color do you prefer?

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

Explanation: There is no wrong answer.

Question 5 Write π with two decimal places. ☐w ☐p ■c

3.14 ....

Explanation: $\pi = 3.14$.

Question 6 How much is $2 + 1$?

☐ 2 ■ 3 ☐ 1 ☐ 5 ☐ 4

Explanation: The value is 3.

Question 7 How much is $\sqrt{88}$?

		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 9.3808315196469.

Question 8   How much is 1×3?

		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 3.

Question 9   How much is $5 + 1$?

□ 8	□ 4	□ 5	■ 6	□ 7

Explanation: The value is 6.

Question 10   How much is $\sqrt{31}$?

		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 5.5677643628300215.

Question 11   How much is 1×-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 −9.

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Question 1   This proposition is true.

■ True   ☐ False

Explanation: A true statement is true.

Question 2   What is equal to one in $\mathbb{Z}$?

☐ 4   ☐ 3   ■ 1   ☐ 5   ☐ 2

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

Question 3 ♣   Which below are the odd numbers?

■ 5   ☐ 4   ■ 3   ■ 1   ☐ 2

Explanation: All odd numbers are divisible by 2.

Question 4   Which color do you prefer?

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

Explanation: There is no wrong answer.

Question 5   Write π with two decimal places.   ☐w ☐p ■c

3.14 ....
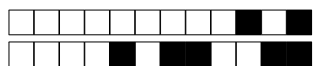
Explanation: $\pi = 3.14$.

Question 6   How much is $10 + 10$?

☐ 18   ☐ 22   ☐ 19   ☐ 21   ■ 20

Explanation: The value is 20.

Question 7   How much is $\sqrt{14}$?

■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 3.7416573867739.

Question 8 How much is -5×-5?

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

Explanation: The value is 25.

Question 9 How much is $6 + 2$?

□ 9   □ 10   ■ 8   □ 6   □ 7

Explanation: The value is 8.

Question 10 How much is $\sqrt{77}$?

■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 8.774964387392123.

Question 11 How much is 1×2?

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

Explanation: The value is 2.