

CHAPTER – 10

PLAY WITH PATTERNS

Page No 108:

Question 1: Can you see how Tinu has made different patterns using the same block? Now you too make 3 different patterns using 

Pattern 1

Pattern 2

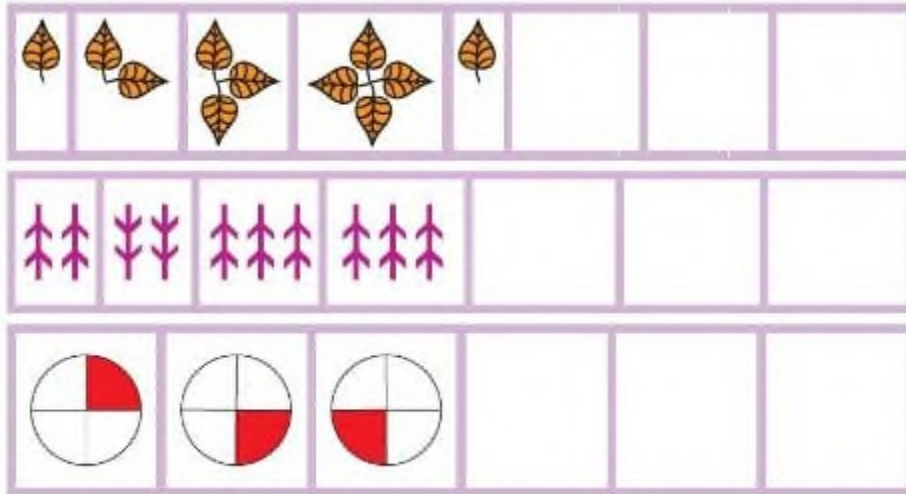
Pattern 3

Answer:

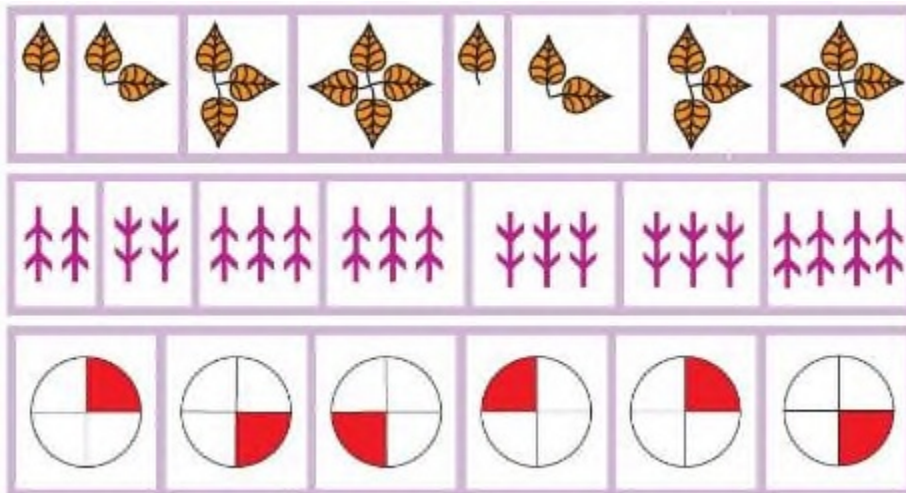


Disclaimer: The answer may vary from student to student. The answer provided here is only for reference.

Question 1: Yamini has used her blocks to make a few patterns. Help her to take these patterns forward.



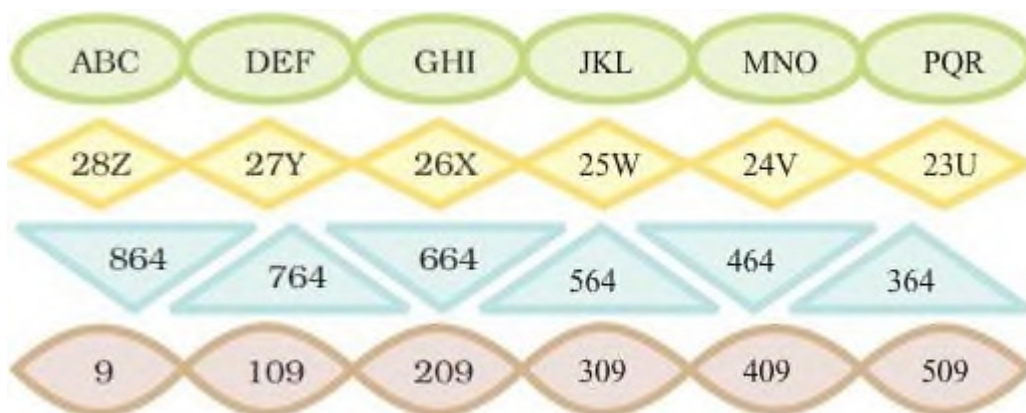
Answer:



Question 2: We can also make patterns with numbers and letters. Below are a few examples. Can you take them forward?



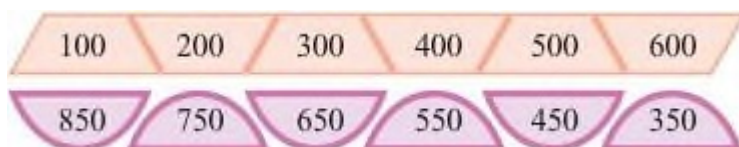
Answer:



Question 3: Now write your own number patterns.



Answer:



Disclaimer: The answer may vary from student to student, based on his/her experience. The answer provided here is only for reference.

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Question 1: Make a pattern without numbers.

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Answer:

AB	BC	CD	DE	EF	FG
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***Disclaimer:** The answer may vary from student to student, based on his/her experience. The answer provided here is only for reference.*

Question 2: Now you try writing the letters — A, B, C in the box so that no letter comes twice in any line.

Answer:

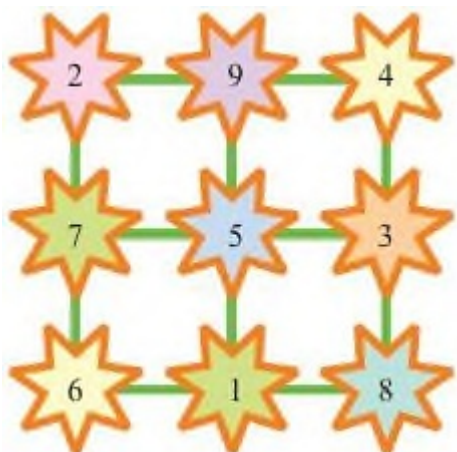
A	B	C
C	A	B
B	C	A

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Question 1: Now you fill these stars. Use numbers 1 – 9 and the **rule** that the numbers on each line add up to 15.

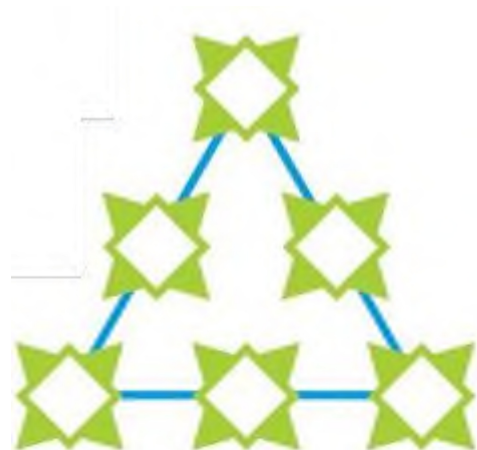


Answer:

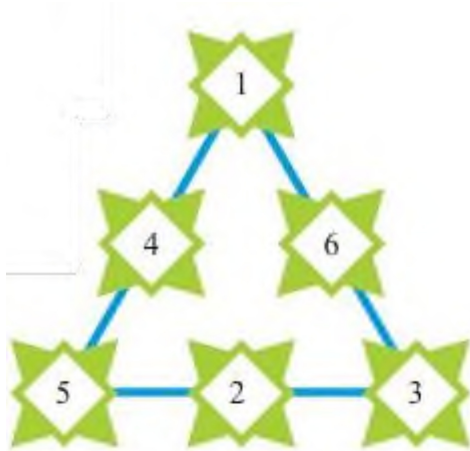


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Question 1: Now use numbers 1 – 6 to make your own magic triangle.
Rule: Numbers on each side must add up to 10.



Answer:



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Question 2: Now you write any number and the three numbers after that. Make a pattern using the rule. See if you get the same sum.

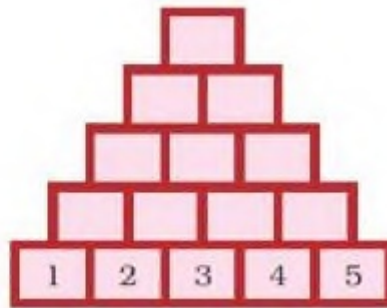
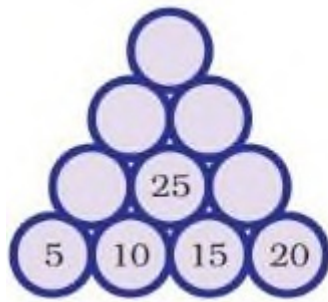
	+		=
	+		=

Answer:

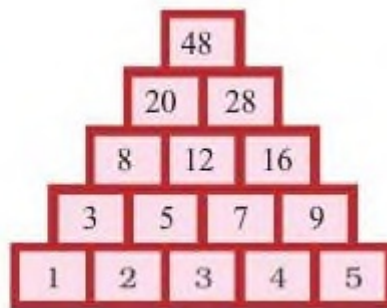
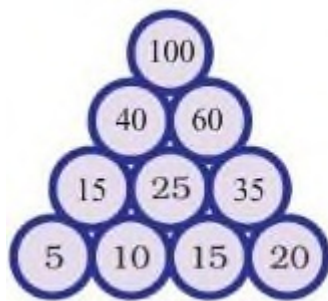
6	7	8	9
6	+	9	= 15
7	+	8	= 15

Disclaimer: The answer may vary from student to student. The answer provided here is only for reference.

Question 1: Using the same rule, complete these number towers.

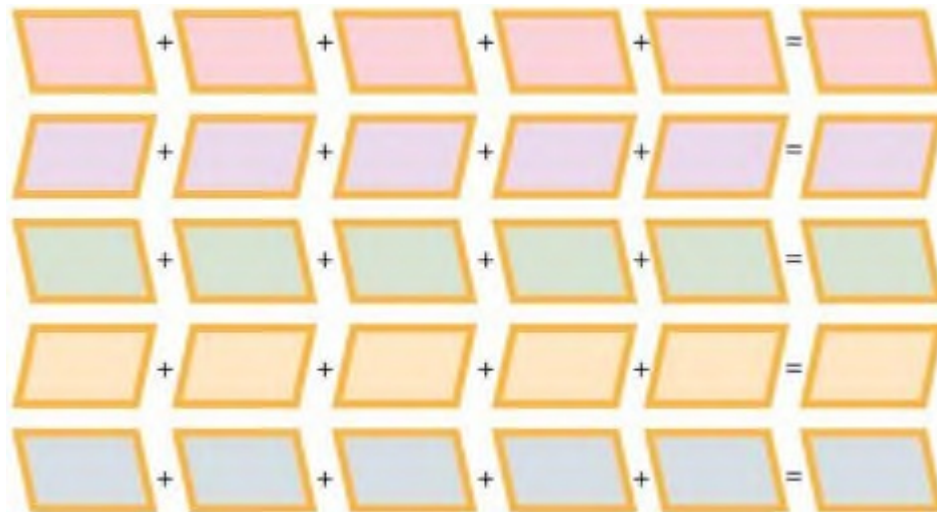


Answer:



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Question 1: Now, you try to make such a pattern with 5 numbers in order.



Does the sum grow by 5 each time?

Answer:

Thus, 'Good Morning' is written as

7 15 15 4 13 15 18 14 9 14 7

Question 3: If we change the rule and write 1 in place of 'B', 3 in place of 'D' and so on, then how will we write 'Let Us Dance'?

Answer:

L = 11; E = 4;

T = 19

U = 20; S = 18

D = 3; A = 26; N = 13; C = 2; E = 4

11 4 19 20 18 3 26 13 2 4

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Question 1:

- What was Kahuli's secret message? _____
- What did Shablu and Jaggu write?

- Use the same rule to write — 'Meet me on the moon'.

- Make different rules and ask your friends to crack the secret message.

Answer:

- We are friends.
- Shablu wrote 2 messages, which are given below:

In her left hand, she held a paper in which following message was written. Hello! how are you? In her right hand, she held a paper in which following message was written. Will you play with me?

Jaggu also wrote 2 messages, which are given below:

In his left hand, he held a newspaper in which the following message was written. Fine, thank you. In his right hand, he held a newspaper in which the following message was written. Yes!

- **NFFU NF PO UIF NPPO.**

***Disclaimer:** The answer may vary from student to student. It is highly recommended that students prepare the answer on their own. The answer provided here is for reference only.*

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Question 1: Now, Anisha is playing with this card. Draw what it will look like when upside down.

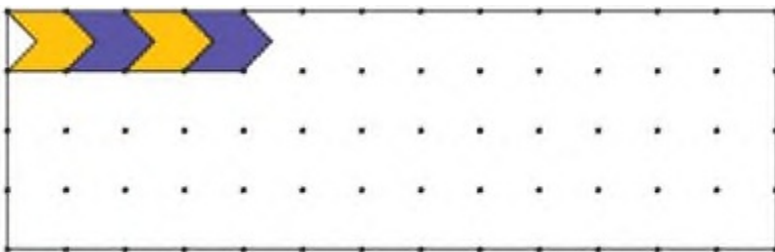


Answer:



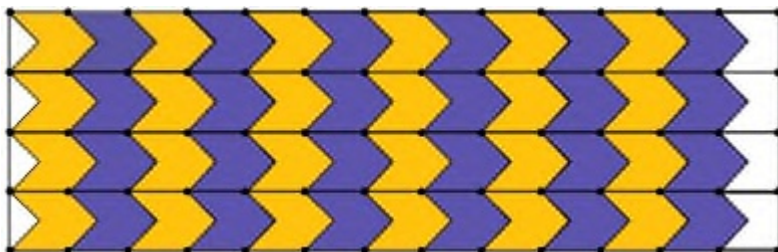
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Question 1: Now, you cover this floor with this tile.

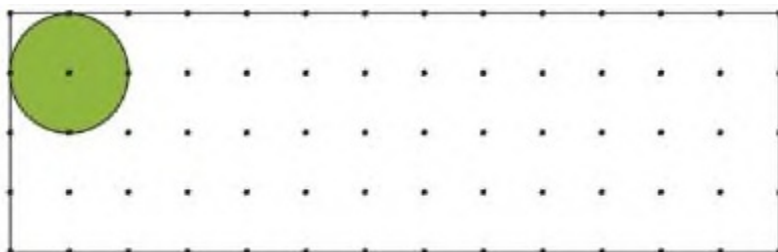


Can you make such a floor design with a tile like a circle?

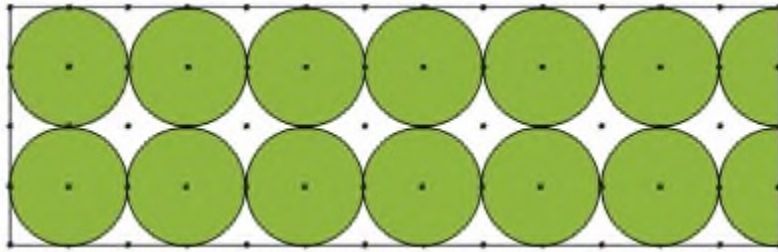
Answer:



Question 2: Try with this green tile without leaving a gap. Could you do it? Discuss with your friends.

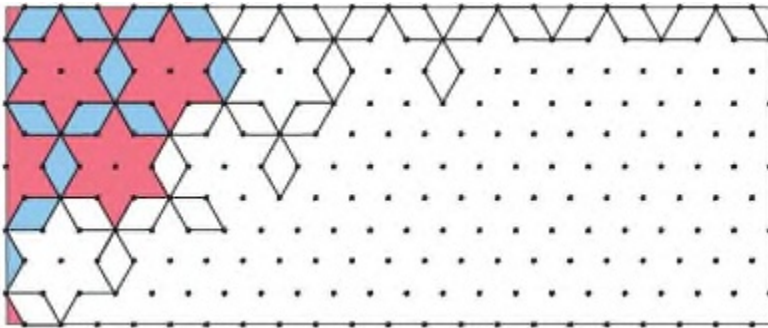


Answer:

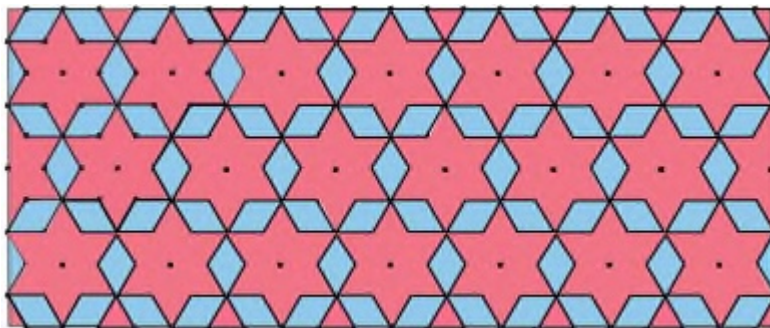


We cannot cover the floor with this green tile without leaving a gap.

Question 3: Complete this tiling pattern.

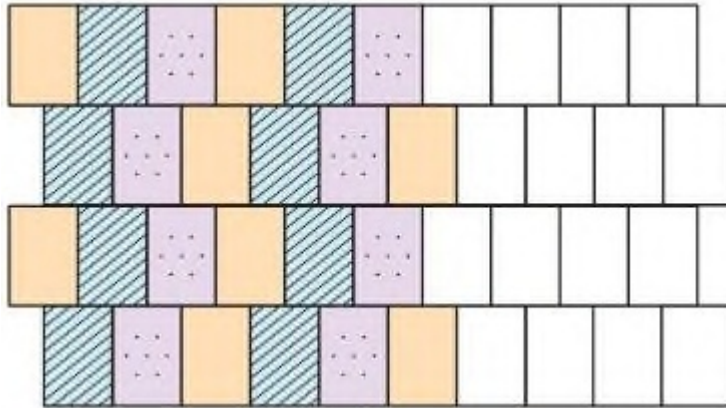


Answer:

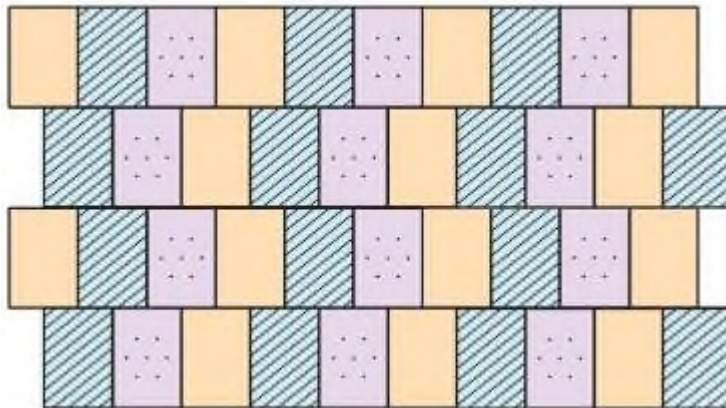


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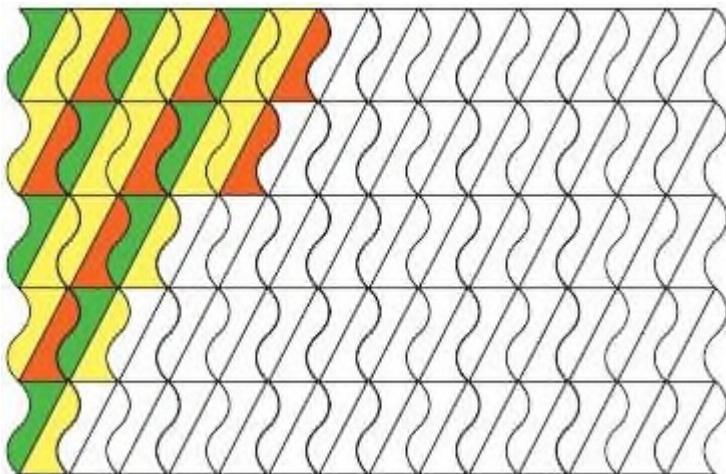
Question 1: Ramaiya has made a wall with his blocks. Can you complete this for him?



Answer:



Question 2: Renu began to paint this wall. Now you help her to complete it.



Answer:

