

Teacher Guide

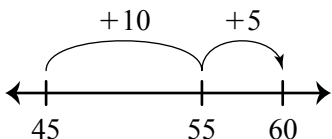
Maria and José’s Graph (TG pp. 1–2)

Homework

Questions 1–4

1. 45
2. 60
3. About 15 beans

Possible response: I used the class number line.



4. lima; fewer of the lima beans fit in the cup so the beans must be larger.

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Maria and José’s Graph

Homework

Maria and José filled a cup with lima beans and then kidney beans. Here is a bar graph of their data.

Full of Beans Class Data

Kind of Bean	Number of Beans
lima	45
kidney	60

1. About how many lima beans were in the cup? _____
2. About how many kidney beans were in the cup? _____

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Name _____ Date _____

3. About how many more kidney beans were there than lima beans? _____
How do you know?

4. Which bean was bigger in size, the lima bean or the kidney bean? _____
How do you know? Use words and drawings to explain.

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Part 4 Patterns on the 100 Chart

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Use your 100 Chart to fill each pattern.

- 32, 34, 36, , 40
- 21, 31, 41, , , , , 91
- 86, 76, , , 46
- 30, 35, , 45, , 55, 60
- 9, 10, 19, 20, 29, , 39, 40, 49

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Part 4. Patterns on the 100 Chart (TG p. 3)

Questions 1–5

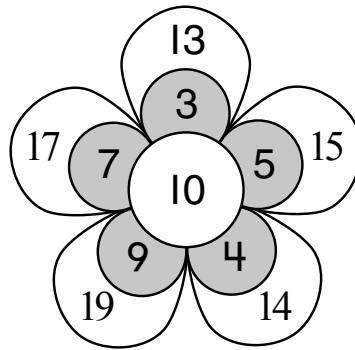
Responses will vary

- 32, 34, 36, , 40
- 21, 31, 41, , , , , 91
- 86, 76, , , 46
- 30, 35, , 45, , 55, 60
- 9, 10, 19, 20, 29, , 39, 40, 49

Part 5. Sum Patterns (TG p. 4)

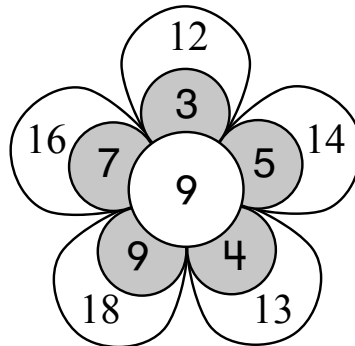
Questions 1–3

1.



- $10 + 3 = 13$
- $10 + 5 = 15$
- $10 + 4 = 14$
- $10 + 9 = 19$
- $10 + 7 = 17$

2.



- $9 + 3 = 12$
- $9 + 5 = 14$
- $9 + 4 = 13$
- $9 + 9 = 18$
- $9 + 7 = 16$

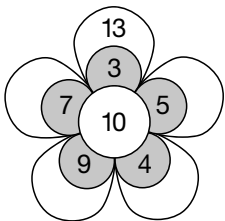
3. Both flowers add the same numbers to the inside of the flower. The sums on the 9 flower are one less than the sums on the 10 flower.

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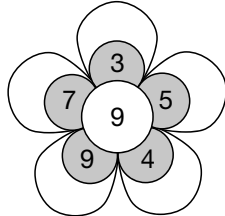
Part 5 Sum Patterns

1. Add to find the outside numbers. Write number sentences.



$10 + 3 = 13$

2. Add to find the outside numbers. Write number sentences.



3. Read and discuss these questions with a family member. Look at the two flowers. What is the same about them? What is different? What pattern do you see in the outside petals?

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