

Double Detective

Use number patterns to add.

GRADE 2 • 2.MP.7

2.MP.7 "Look for and make use of structure."

NAME _____

DATE _____

SPOT THE PATTERN

Equal amounts make a double. Amounts that are one apart are near doubles. Use a double you know, adjust if needed, and check that your total makes sense.

WORKED EXAMPLE

Noah has 4 yellow blocks and 4 green blocks. How many blocks does he have?

1. Notice the equal amounts.
2. $4 + 4$ is double 4.
3. Double 4 is 8.

Answer: 8 blocks

PRACTICE 4 problems

- 1** Mia puts 3 stickers on one card and 3 stickers on another card. How many stickers? Use a double.

ANSWER _____

- 2** Leo has 5 apple slices. His sister has 6 apple slices. How many slices do they have? Use a near double.

ANSWER _____

- 3** One bin has 7 toy cars. Another bin has 7 toy cars. How many toy cars? Use a double.

ANSWER _____

- 4** One penguin has 9 fish. Another penguin has 8 fish. How many fish? Use a near double.

ANSWER _____

APPLY IT Show your work

- 1** At a pet show, 12 cats wear red bows and 13 cats wear blue bows. How many cats wear bows? Use a near double.

WORK SPACE

ANSWER _____

- 2** Nia and Omar each bring 9 crayons to art club. How many crayons do they bring? Use a double.

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

Maya has 19 shells. Eli has 18 shells. How many shells do they have? Explain how a near double helps.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Mia puts 3 stickers on one card and 3 stickers on another card. How many stickers? Use a double.	6 stickers
2	Leo has 5 apple slices. His sister has 6 apple slices. How many slices do they have? Use a near double.	11 apple slices
3	One bin has 7 toy cars. Another bin has 7 toy cars. How many toy cars? Use a double.	14 toy cars
4	One penguin has 9 fish. Another penguin has 8 fish. How many fish? Use a near double.	17 fish

PART 2 • APPLY IT

1. **25 cats** Use $12 + 12 = 24$, then add 1.
2. **18 crayons** Double 9 to find $9 + 9$.

CHALLENGE

37 shells. I used $18 + 18 = 36$, then added 1.

Accept any correct double or near-double strategy. For the challenge, accept 37 with an explanation that uses 18 + 18 and adds 1.