LESSON MAKER PRO

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

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

WORK SPACE AND ANSWER

ANSWER KEY

Double Detective

GRADE 2 · 2.MP.7

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.