LESSON MAKER PRO

Pattern Power

Use equal groups to find totals and check your thinking.

GRADE 2 · 2.MP.8

2.MP.8 "Look for and express regularity in repeated reasoning."

NAME _____ DATE _____

FIND THE REPEAT

When equal groups repeat, the total grows by the same amount each time. Write the same addend again and again, then check that every jump is the same size.

WORKED EXAMPLE

A puppy has 2 treat bowls. Each bowl has 6 treats. How many treats are there?

1. One bowl has 6 treats.
2. Add 6 for the other bowl.
3. 6 + 6 = 12.

Answer: 12 treats

PRACTICE 5 problems

1 Mia makes 3 bead bracelets. Each bracelet has 5 red beads. Write repeated addition and the total.

ANSWER _____

2 Four art boxes each hold 7 crayons. Write repeated addition and the total.

ANSWER _____

3 A garden has 5 rows of 4 tulips. Write repeated addition and the total.

ANSWER _____

4 Three dog bowls each hold 8 pieces of kibble. Write repeated addition and the total.

ANSWER _____

5 A game has 7 pages. Each page has 3 hidden stars. Write repeated addition and the total.

ANSWER _____

APPLY IT Show your work

1 Nia earns 5 reading points each day for 4 days. Her totals are 5, 10, 15, ___. What number goes in the blank? How many points does she have after 4 days?

WORK SPACE

ANSWER _____

2 At an arcade, Luis wins 3 tickets on each of 8 games. Luis says 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 is 21. Is Luis correct? How many tickets did he win?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A snack pack holds 5 raisins. Mika writes: 1 pack = 5, 2 packs = 10, 3 packs = 15, 4 packs = ___. What belongs in the blank? Explain how you know.

WORK SPACE AND ANSWER

ANSWER KEY

Pattern Power

GRADE 2 · 2.MP.8

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Mia makes 3 bead bracelets. Each bracelet has 5 red beads. Write repeated addition and the total.	**5 + 5 + 5 = 15 red beads**
2	Four art boxes each hold 7 crayons. Write repeated addition and the total.	**7 + 7 + 7 + 7 = 28 crayons**
3	A garden has 5 rows of 4 tulips. Write repeated addition and the total.	**4 + 4 + 4 + 4 + 4 = 20 tulips**
4	Three dog bowls each hold 8 pieces of kibble. Write repeated addition and the total.	**8 + 8 + 8 = 24 pieces of kibble**
5	A game has 7 pages. Each page has 3 hidden stars. Write repeated addition and the total.	**3 + 3 + 3 + 3 + 3 + 3 + 3 = 21 stars**

PART 2 · APPLY IT

1. **20; 20 reading points** Add 5 each day. The pattern is 5, 10, 15, 20.
2. **No. He won 24 tickets.** There are 8 groups of 3 tickets. Adding 3 eight times gives 24, not 21.

CHALLENGE

20 raisins. The total goes up by 5 for each new pack: 5, 10, 15, 20.

Accept repeated-addition sentences in any correct order, with the correct total. For the challenge, accept an explanation that the total increases by 5 each time.