LESSON MAKER PRO

Group Pattern Power

Use equal groups to find totals.

GRADES K-12 · MA.K12.MTR.5

MA.K12.MTR.5 "Use patterns and structure to help understand and connect mathematical concepts."

NAME _____ DATE _____

SPOT EQUAL GROUPS

When each group has the same amount, use the group pattern to find the total. Multiply the number of groups by the amount in each group, then check by skip-counting or adding equal amounts.

WORKED EXAMPLE

A pet shelter puts 4 kittens in each of 7 rooms. How many kittens are in the rooms?

1. There are 7 equal groups of 4 kittens.
2. Write 7 x 4.
3. 7 x 4 = 28.
4. Check: 28 kittens shared by 7 rooms gives 4 in each room.

Answer: 28 kittens

PRACTICE 5 problems

1 Three snack bags have 8 crackers each. How many crackers are there? Use equal groups and check your answer.

ANSWER _____

2 A card shop has 6 packs with 5 trading cards in each pack. How many trading cards are there? Use equal groups and check your answer.

ANSWER _____

3 A gardener plants 9 rows with 2 flowers in each row. How many flowers are planted? Use equal groups and check your answer.

ANSWER _____

4 Eight teams get 3 flags each for field day. How many flags are needed? Use equal groups and check your answer.

ANSWER _____

5 A classroom has 6 boxes with 9 pencils in each box. How many pencils are there? Use equal groups and check your answer.

ANSWER _____

APPLY IT Show your work

1 The art club makes 5 bead strings. Each string has 8 beads. How many beads does the club use?

WORK SPACE

ANSWER _____

2 During 3 practice days, Maya rides 9 laps each day. How many laps does she ride altogether?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

A game club fills 6 tables with 5 players at each table. Then 3 more players arrive. How many players are there? Explain how the equal-group pattern helps.

_____

_____

ANSWER KEY

Group Pattern Power

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Three snack bags have 8 crackers each. How many crackers are there? Use equal groups and check your answer.	**24 crackers**
2	A card shop has 6 packs with 5 trading cards in each pack. How many trading cards are there? Use equal groups and check your answer.	**30 trading cards**
3	A gardener plants 9 rows with 2 flowers in each row. How many flowers are planted? Use equal groups and check your answer.	**18 flowers**
4	Eight teams get 3 flags each for field day. How many flags are needed? Use equal groups and check your answer.	**24 flags**
5	A classroom has 6 boxes with 9 pencils in each box. How many pencils are there? Use equal groups and check your answer.	**54 pencils**

PART 2 · APPLY IT

1. **40 beads** There are 5 equal groups of 8. Multiply 5 x 8 to get 40.
2. **27 laps** There are 3 equal groups of 9 laps. Multiply 3 x 9 to get 27.

CHALLENGE

33 players. 6 x 5 = 30, and 30 + 3 = 33.

Accept a multiplication equation, repeated addition, or skip-counting that gives the correct total. For the challenge, accept any clear explanation that finds 30 players at the tables, then adds 3.