



Diwali Math Word Problems

Multiplication and division

Name _____ Date _____

Directions: Read each problem. Show your work, then write your answer on the line.

1. During Diwali, Rohan decorated his house with 12 strings of lights. Each string has 10 lights on it. How many lights did Rohan use in all?

2. Ravi puts up 9 rows of lights. Each row has 15 lights. How many lights does Ravi use in all?

3. Priya made 42 ladoos. She wants to share them equally among 6 friends. How many ladoos does each friend get?

4. Kamala bought 9 packs of sparklers. Each pack has 12 sparklers. How many sparklers does she have?

5. Rohit lit 24 diyas and placed them equally in 4 different rooms. How many diyas went in each room?

6. At the Diwali party, Neha served 5 kinds of savory snack. She made 18 servings of each one. How many servings in all?

7. A family puts a diya in every room of their house. They have 3 bedrooms, a kitchen, a living room and a hallway. They light diyas on all 5 nights. How many diyas do they use in all?

Grades 3-5 | CCSS 3.OA.A.3, 4.OA.A.2 | Answer key on page 2 | From A Kids Book About Diwali



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Answer key (teacher copy)

#	Answer	How to solve it
1	120 lights	$12 \times 10 = 120$
2	135 lights	$9 \times 15 = 135$
3	7 ladoos	42 divided by 6 = 7
4	108 sparklers	$9 \times 12 = 108$
5	6 diyas	24 divided by 4 = 6
6	90 servings	$5 \times 18 = 90$
7	30 diyas	6 rooms x 5 nights = 30

Question 7 is the stretch problem. Students have to count the rooms themselves before they multiply.

