

Unit 4: Relating Multiplication to Division

ADVANCED · SET 3

Name: _____ Date: _____

Solve each problem. Show your work on scrap paper and write only the final answer.

1. Nadia has 96 stickers. She puts 8 stickers in each bag until all the stickers are used. Then she gives 4 of the bags to her cousin. How many bags does Nadia have left?

Answer: _____

3. Sam finds 7×12 by first doing 7×10 and then adding 7×2 . What is 7×12 ?

Answer: _____

5. A rope is 72 cm long. It is cut into 8 equal pieces. Then 3 of those pieces are tied end to end. How long is the tied rope in cm?

Answer: _____

7. A mystery number divided by 7 equals 9. What do you get when you divide that same mystery number by 3?

Answer: _____

9. Tom shares 54 marbles equally among 6 friends. Ana shares 40 marbles equally among 5 friends. How many more marbles does one of Tom's friends get than one of Ana's friends?

Answer: _____

2. A mystery number times 6 is 54. What is that same mystery number times 9?

Answer: _____

4. A craft box holds 85 beads. Each bracelet uses exactly 9 beads. Priya makes as many whole bracelets as she can. How many beads are left over?

Answer: _____

6. Kofi buys 5 packs of pencils. Each pack holds 4 small boxes. Each small box holds 5 pencils. How many pencils did Kofi buy in all?

Answer: _____

8. 4 crates hold 36 mangoes in total. Every crate holds the same number. How many mangoes are in 7 crates?

Answer: _____

10. Kai says that 91 pencils can be shared equally by 7 kids with none left over. Is Kai right? Answer yes or no.

Answer: _____

11. A train has 4 cars. Each car has 20 seats. On Monday 65 seats were taken. How many seats were empty?

Answer: _____

12. A number is less than 100. You reach it when you skip-count by 4s, and you also reach it when you skip-count by 9s. What is the largest number it can be?

Answer: _____