

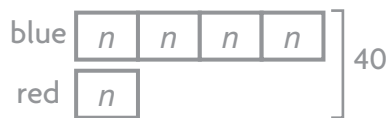
Comparison Problems

COMMON CORE STANDARD—4.OA.2
Use the four operations with whole numbers to solve problems.

Draw a model. Write an equation and solve.

1. Stacey made a necklace using 4 times as many blue beads as red beads. She used a total of 40 beads. How many blue beads did Stacey use?

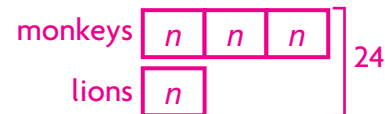
Think: Stacey used a total of 40 beads. Let n represent the number of red beads.



$$\underline{5 \times n = 40; 5 \times 8 = 40;}$$

$$\underline{4 \times 8 = 32 \text{ blue beads}}$$

2. At the zoo, there were 3 times as many monkeys as lions. Tom counted a total of 24 monkeys and lions. How many monkeys were there?



$$\underline{4 \times n = 24; 4 \times 6 = 24;}$$

$$\underline{3 \times 6 = 18 \text{ monkeys}}$$

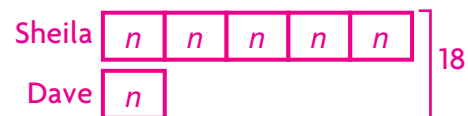
3. Fred's frog jumped 7 times as far as Al's frog. The two frogs jumped a total of 56 inches. How far did Fred's frog jump?



$$\underline{8 \times n = 56; 8 \times 7 = 56;}$$

$$\underline{7 \times 7 = 49 \text{ inches}}$$

4. Sheila has 5 times as many markers as Dave. Together, they have 18 markers. How many markers does Sheila have?



$$\underline{6 \times n = 18; 6 \times 3 = 18;}$$

$$\underline{5 \times 3 = 15 \text{ markers}}$$

Problem Solving



5. Rafael counted a total of 40 white cars and yellow cars. There were 9 times as many white cars as yellow cars. How many white cars did Rafael count?

36 white cars

6. Sue scored a total of 35 points in two games. She scored 6 times as many points in the second game as in the first. How many more points did she score in the second game?

25 more points

Lesson Check (4.OA.2)

1. Sari has 3 times as many pencil erasers as Sam. Together, they have 28 erasers. How many erasers does Sari have?
2. In Sean's fish tank, there are 6 times as many goldfish as guppies. There are a total of 21 fish in the tank. How many more goldfish are there than guppies?

21 erasers

15 goldfish

Spiral Review (4.OA.1, 4.OA.3, 4.NBT.2)

3. Barbara has 9 stuffed animals. Trish has 3 times as many stuffed animals as Barbara. How many stuffed animals does Trish have?
4. There are 104 students in the fourth grade at Allison's school. One day, 15 fourth-graders were absent. How many fourth-graders were at school that day?

27 stuffed animals

89 fourth-graders

5. Joshua has 112 rocks. Jose has 98 rocks. Albert has 107 rocks. Write the boy's names in order from the least to the greatest number of rocks owned.
6. Alicia has 32 stickers. This is 4 times as many stickers as Benita has. How many stickers does Benita have?

Jose, Albert, Joshua

8 stickers
