Math Boxes

Lesson 6-1

DATE TIME

Math Boxes

1 Solve.

a. $\frac{2}{3}$ of 7 = $\frac{14}{3}$, or $4\frac{2}{3}$

b. $\frac{3}{8}$ of 5 = $\frac{15}{8}$, or $1\frac{7}{8}$

c. $\frac{4}{5}$ of 12 = $\frac{48}{5}$, or $9\frac{3}{5}$

SRB 196

2 **a.** Write a 6-digit number with 7 in the thousands place, 5 in the hundredths place, 4 in the tenths place, 3 in the tens place, and 9s in all other places.

7,939.45

b. Write this number in words.

Seven thousand, nine hundred thirty-nine and forty-five hundredths

SRB 117–119

3 A costume designer is using exactly 264 yards of green fabric to make 36 frog costumes. If each costume requires the same amount of fabric, how many yards will be used for each one?

$264 \div 36 = f$

(number model)

Answer: $7\frac{12}{36}$, or $7\frac{1}{3}$, yards

SRB 44, 109, 113–114

4 Nigel has 2 dogs. One eats $2\frac{1}{2}$ pounds of food each week. The other eats $1\frac{3}{8}$ pounds each week. Together, how much food do the dogs eat in a week?

$2\frac{1}{2} + 1\frac{3}{8} = p$

(number model)

Answer: $3\frac{7}{8}$ pounds

SRB 177–180, 191

5 **Writing/Reasoning** Explain how you decided what to do with the remainder in Problem 3.

Sample answer: When I divided 264 by 36, I got 7 with 12 yards left over. Since fabric is something that can be cut into smaller pieces, I divided the 12 extra yards evenly among the 36 costumes and wrote my remainder as a fraction.

SRB 113–114

① 5.NF.4, 5.NF.4a ② 5.NBT.1, 5.NBT.3, 5.NBT.3a
③ 5.NBT.6, 5.NF.3 ④ 5.NF.1, 5.NF.2 ⑤ 5.NBT.6, 5.NF.3, SMP6