Math Boxes

Lesson 6-8

DATE TIME

Math Boxes

1 The average height of men in the United States is 69.3 in. The average height of women in the United States is 63.8 in. How much taller is the average man than the average woman?

$69.3 - 63.8 = h$

(number model)

Answer: 5.5 inches

SRB 44, 131–132

2 What is $\frac{11}{12}$ of 6?

Answer: $5\frac{6}{12}$, or $5\frac{1}{2}$

SRB 196

3 A library spent $\frac{5}{8}$ of its budget to buy new books. They set aside $\frac{1}{12}$ of the book money to buy young adult novels. What part of the budget went towards buying young adult novels?

$\frac{1}{12} \times \frac{5}{8} = s$

(number model)

Answer: $\frac{5}{96}$ of the budget

SRB 195, 201–203

4 Solve.

a. $3\frac{1}{4} - 1\frac{5}{6} = \frac{17}{12}$, or $1\frac{5}{12}$

b. $\frac{6}{7} - \frac{5}{9} = \frac{19}{63}$

SRB 177, 189–190, 192

5 **a.** Write the decimal 1,072.039 in expanded form. Sample answer: 1 [1,000s] + 0 [100s] + 7 [10s] + 2 [1s] + 0 [$\frac{1}{10}$ s] + 3 [$\frac{1}{100}$ s] + 9 [$\frac{1}{1,000}$ s]

b. Write the decimal 1,072.039 in words. One thousand seventy-two and thirty-nine thousandths

SRB 117–118

6 Solve.

a. $0.025 * 10^3 =$ 25

b. $10^5 * 0.25 =$ 25,000

c. $2.5 * 10^2 =$ 250

d. $0.025 * 10^1 =$ 0.25

SRB 133

① 5.NBT.7 ② 5.NF.4, 5.NF.4a ③ 5.NF.4, 5.NF.6 ④ 5.NF.1 ⑤ 5.NBT.3, 5.NBT.3a ⑥ 5.NBT.2