Name _____

Problem Solving • Multiplication and Division

Solve the problems below. Show your work.

1. Dani is making punch for a family picnic. She adds 16 fluid ounces of orange juice, 16 fluid ounces of lemon juice, and 8 fluid ounces of lime juice to 64 fluid ounces of water. How many 8-ounce glasses of punch can she fill?

$$104 \div 8 = (40 + 64) \div 8$$
$$= (40 \div 8) + (64 \div 8)$$
$$= 5 + 8, \text{ or } 13$$

16 + 16 + 8 + 64 = 104 fluid ounces

13 glasses

2. Ryan has nine 14-ounce bags of popcorn to repackage and sell at the school fair. A small bag holds 3 ounces. How many small bags can he make?

_____

3. Bianca is making scarves to sell. She has 33 pieces of blue fabric, 37 pieces of green fabric, and 41 pieces of red fabric. Suppose Bianca uses 3 pieces of fabric to make 1 scarf. How many scarves can she make?

_____

4. Jasmine has 8 packs of candle wax to make scented candles. Each pack contains 14 ounces of wax. Jasmine uses 7 ounces of wax to make one candle. How many candles can she make?

_____

5. Maurice puts 130 trading cards in protector sheets. He fills 7 sheets and puts the remaining 4 cards in an eighth sheet. Each of the filled sheets has the same number of cards. How many cards are in each filled sheet?

_____

Lesson Check (CC.5.NBT.6)

1. Joyce is helping her aunt create craft kits. Her aunt has 138 pipe cleaners, and each kit will include 6 pipe cleaners. How many kits can they make?

   Ⓐ 13
   Ⓑ 18
   Ⓒ 22
   Ⓓ 23

2. Stefan plants seeds for 30 carrot plants and 45 beet plants in 5 rows, with the same number of seeds in each row. How many seeds are planted in each row?

   Ⓐ 10
   Ⓑ 14
   Ⓒ 15
   Ⓓ 80

Spiral Review (Reviews CC.4.NBT.3; CC.5.NBT.5, CC.5.NBT.6)

3. Georgia wants to evenly divide 84 trading cards between 6 friends. How many cards will each friend get? (Lesson 1.8)

   Ⓐ 12
   Ⓑ 13
   Ⓒ 14
   Ⓓ 16

4. Maria has 144 marbles. Emanuel has 4 times the number of marbles Maria has. How many marbles does Emanuel have? (Lesson 1.6)

   Ⓐ 36
   Ⓑ 140
   Ⓒ 566
   Ⓓ 576

5. The Conservation Society bought and planted 45 cherry trees. Each tree cost $367. What was the total cost of planting the trees?
   (Lesson 1.7)

   Ⓐ $3,303
   Ⓑ $16,485
   Ⓒ $16,515
   Ⓓ $20,185

6. A sports arena covers 710,430 square feet of ground. A newspaper reported that the arena covers about 700,000 square feet of ground. To what place value was the number rounded? (Grade 4)

   Ⓐ hundreds
   Ⓑ thousands
   Ⓒ ten thousands
   Ⓓ hundred thousands