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Date _____

Word Problems That Use All Operations - Guided Explanation

Explanation 1

First, figure out how many eggs we need.

Eggs in 5 dozen = 5 X number of eggs in one dozen

$$= 5 \times 12$$

$$= 60$$

Total number of eggs in 5 dozen = 60

Let the remaining eggs be = x

Laura's eggs + Kim's eggs + Drew's eggs + Jackson's eggs + remaining eggs = 60

$$18 + 16 + 8 + 5 + x = 60$$

$$47 + x = 60$$

$$x = 60 - 47$$

$$x = 13$$

Answer: They have to buy 13 eggs. That's 1 dozen and 1 egg (if you're a smarty pants)

Explanation 2

First, figure out how many candies we need.

Candies in 2 boxes = 2 X The number of candies in one box

$$= 2 \times 20$$

$$= 40$$

Total number of candies in 2 boxes = 40

Let remaining number of candies be = x

Small shop's candies + downtown's candies + mall's candies + remaining candies = 40



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$$13 + 10 + 8 + x = 40$$

$$31 + x = 40$$

$$x = 40 - 31$$

$$x = 9$$

He has to buy 9 more candies.

Explanation 3

First, find the total number of shirts in the box to charity.

$$\text{Shirts in 1 box} = \frac{\text{Total shirts}}{5 \text{ boxes}}$$

$$= \frac{35}{5}$$

$$= 7$$

One box contains 7 shirts.

Let the remaining shirts be = x

First boy's shirts + second boy's shirts + remaining shirts = 7

$$2 + 3 + x = 7$$

$$5 + x = 7$$

$$x = 7 - 5$$

$$x = 2$$

There are 2 shirts remaining in the box to charity.

