1 a) (3A, p 38) Problem 4

$3915

$1268 $1380   ?

Step 1   He spent $1268 + $1380 = $2648
Step 2   He had $3915 - $2648 = $1267 left

(3A, p38) Problem 5   Refrigerator $1739   } ?
                             Oven   ? $850
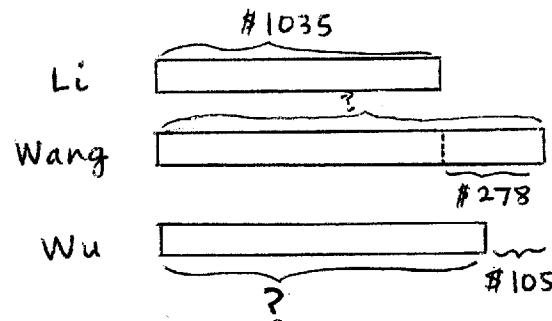
Step 1   The oven costs $1739 - $850 = $889
Step 2   Together the refrigerator and oven cost $1739 + $889 = $2628

b) (3A, p38) Problem 8

Li $1035
Wang   ? $278
Wu   ? $105
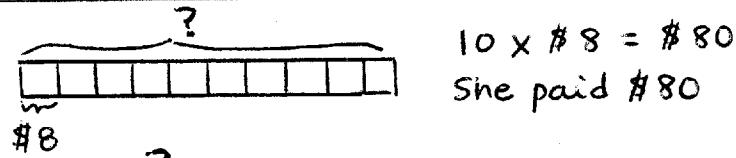
Step 1   Wang saved $1035 + $278 = $1313
Step 2   Wu saved $1313 - $105 = $1208
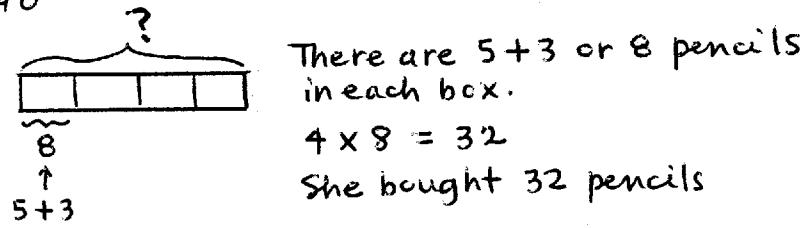
2 a) (3A, p47) Problem 8   ? $8

10 × $8 = $80
She paid $80

(3A, p47) Problem 10   ?   8 ↑ 5+3
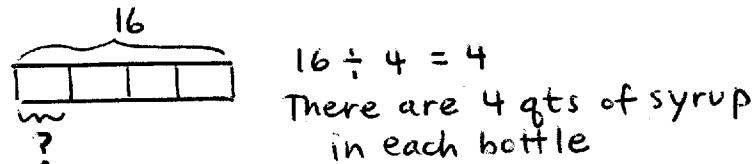
There are 5+3 or 8 pencils in each box.
4 × 8 = 32
She bought 32 pencils
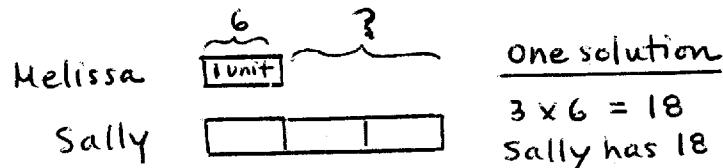
b) (3A, p48) Problem 9   16   ?

16 ÷ 4 = 4
There are 4 qts of syrup in each bottle

(3A, p48) Problem 10   Melissa   6   1 unit   ?   Sally

One solution
3 × 6 = 18
Sally has 18 postcards
18 - 6 = 12
Sally has 12 more than Melissa
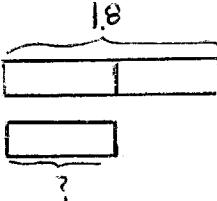
alternatively   1 unit = 6
2 units = 2 × 6 = 12
Sally has 12 more than Melissa

(3A, p 48) **Problem 12**

pencils

18

pens

?

$18 \div 2 = 9$
He bought 9 pens

Next step ?

$3
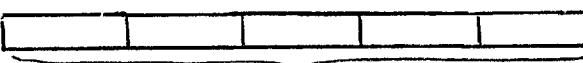
$9 \times \$3 = \$27$
He paid $27 for the pens

c) (3A, p 55) **Problem 11**

$150

rice cooker   1 unit

refrigerator

}?

?

Step 1 $5 \times \$150 = \$750$ The refrigerator costs $750

Step 2 $\$150 + \$750 = \$900$ The total cost is $900

alternatively   1 unit = $150
6 units = $6 \times \$150 = \$900$
The total cost is $900

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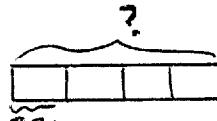
3   a) (3A, p 56)   **Problem 10**

Step 1   She bought $4 \times 30 = 120$ cakes
Step 2   She paid $120 \times \$3 = \$360$ for the cakes

alternatively

Step 1   She paid $30 \times \$3 = \$90$ per box
Step 2   She paid $4 \times \$90 = \$360$ for the 4 boxes
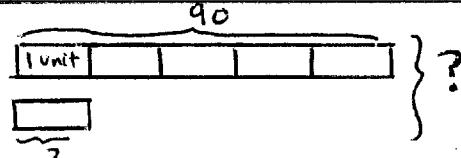
?

$90

(3A, p 56)   **Problem 11**

Step 1   There are $5 \times 25 = 125$ chairs in the "other" 5 rows
Step 2   There are $18 + 125 = 143$ chairs altogether

b) (3A, p 67)   Problems 8, 9, 10 are two-step problems

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4   a)   Pierre   1 unit

90

daughter

}?

?
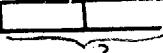
Step 1 $90 \div 5 = 18$ Daughter weighs 18 Kg
Step 2   Together they weigh $90 + 18 = 108$ Kg
(alt.   1 unit = $90 \div 5 = 18$
6 units = $6 \times 18 = 108$ Together they weigh)
108 Kg

b)
32
H
A
?
O
21
?

Step 1
A weighs
$2 \times 32 = 64$ kg

Step 2
O weighs
$64 - 21 = 43$ Kg