

Solving Number Stories

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NAME _____

DATE _____

TIME _____



Write a number model with an unknown to represent each problem. Then solve.

- ① Martin had some leftover fruit from making fruit salad. He had $\frac{3}{12}$ pound of strawberries and $\frac{1}{12}$ pound of blueberries.

Which fruit weighed more? Strawberries

- a. How many pounds of fruit did Martin have left?

Number model with unknown: $\frac{3}{12} + \frac{1}{12} = b$

Answer: $\frac{4}{12}$ pound

- b. How much more did the strawberries weigh than the blueberries?

Number model with unknown: $\frac{3}{12} - \frac{1}{12} = p$

Answer: $\frac{2}{12}$ pound

- ② Charlotte and Beth each made a vegetable salad to take to a reunion. Together the salads weighed 6 pounds. Charlotte's salad weighed $3\frac{1}{2}$ pounds.

- a. How much did Beth's salad weigh?

Number model with unknown: $6 - 3\frac{1}{2} = v$

Answer: $2\frac{1}{2}$ pounds

- b. How much more did Charlotte's salad weigh than Beth's?

Number model with unknown: $3\frac{1}{2} - 2\frac{1}{2} = v$

Answer: 1 pound

- ③ Andy's potato salad weighed $1\frac{3}{8}$ pounds more than Mardi's. Mardi's potato salad weighed $4\frac{2}{8}$ pounds. How much did Andy's potato salad weigh?

Number model with unknown: $4\frac{2}{8} + 1\frac{3}{8} = p$

Answer: $5\frac{5}{8}$ pounds

Practice

④ $826 * 5 = \underline{4,130}$

⑤ $48 * 50 = \underline{2,400}$

4.NBT.5, 4.NF.3, 4.NF.3a, 4.NF.3c, 4.NF.3d, 4.MD.2, SMP4