

Motivating Students
Through High-Level
Problem Solving Using
Models in a
Collaborative Setting

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Mrs. Aziz sold 136 potato sandwiches on Saturday. This was 78 more than the tuna sandwiches she sold on the same day. On Sunday, the number of sandwiches that she sold was half the total number of sandwiches sold on Saturday. How many sandwiches did she sell over the two days?

Challenging Word Problems Common Core Edition Grade 4
Marshall Cavendish



Two-thirds of Eddie's books is equal to $\frac{3}{7}$ of Linda's books. If Linda has 15 more books than Eddie, how many books do Eddie and Linda have in total?

Challenging Word Problems Common Core Edition Grade 4
Marshall Cavendish



Tom had \$190 and Jane had \$60. After each of them received an equal amount of money from their father, Tom had twice as much money as Jane. How much did their father give each of them?

Challenging Word Problems Common Core Edition Grade 4
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Newman Procedures

- 1) **Read**-Can the student read the problem?
- 2) **Comprehend**- Can the student answer basic questions?
- 3) **Transform**- Can the student identify and translate the appropriate mathematical strategy?
- 4) **Compute**-Can the student solve using the strategy?
- 5) **Interpret**- Can the student make judgments regarding the result?



Jack had 5 times as much money as Kelvin. After giving \$18.60 to Kelvin, Jack had twice as much money as Kelvin and \$12.90 more than Sam. How much did Sam have?

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