Too Much / Too Little Information

There are 8 books on a shelf. Three of the books are stories, some are coloring books, and the rest are sports books. What fraction of the books are NOT stories?

1) What are you asked to find?

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2) What information do you need to solve the problem?

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3) Is there too much or too little information in the problem? Explain.

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4) What fraction of the books are NOT stories?

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5) What fraction of the books are stories?

<u>Examples:</u>

<u>Tell whether there is too much or too little information. Solve if there is enough information.</u>

1) Mrs. Charles cut a pie into equal-size pieces. She gave 6 pieces to Mike and his friends. What fraction of the pie is left?
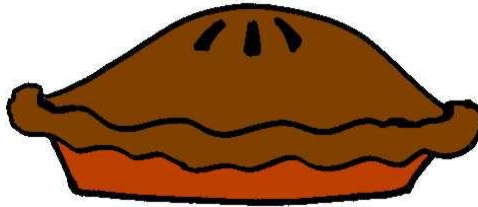
Too little information

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2) Katy bought 8 toy cars and 6 books. She gave 3 toy cars to her brother. What fraction of the toy cars did Katy keep?

Too much information,
Step 1: 8 – 3 = 5 toy cars

Step 2: $\dfrac{5}{8}$

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3) In a relay race, Tom ran ¼ mile, Lina ran ¾ mile, and Ralf ran 2/4 mile. How many far did Tom and Lina run altogether?

Too much information,

Step 1: $\dfrac{1}{4} + \dfrac{3}{4} = \dfrac{4}{4} = 1$ **mile**