

Fractions: Problem Solving

Solve each problem.

1. A literary magazine has 16 pages; $5\frac{1}{2}$ pages are short stories, and $6\frac{1}{2}$ pages are poems. How many pages are not short stories or poems?
2. Tom walked $\frac{1}{4}$ of a mile, then he started running. In all, he walked and ran $\frac{3}{4}$ of a mile. How far did he run?
3. James lives $\frac{7}{10}$ of a mile from school. Billy lives $\frac{4}{10}$ of a mile from school. Who lives closer? By how much?
4. Michele made a book from cardboard for her project. The cover was $13\frac{1}{2}$ inches long and $9\frac{3}{4}$ inches wide. How much longer was the cover than it was wide?
5. Grayson spent his first week of school doing $4\frac{3}{4}$ hours of homework. His sister Denise spent $6\frac{1}{2}$ hours doing her homework. How much longer did Denise spend doing homework than Grayson?
6. Jennifer wants to buy some ribbon to make bookmarks. She wants to make one bookmark $6\frac{1}{8}$ inches long and the other $9\frac{13}{16}$ inches long. How much ribbon should she buy?
7. A recipe calls for $2\frac{1}{2}$ cups of white flour and $3\frac{3}{4}$ cups of rye flour. Can a person use a $1\frac{1}{2}$ quart (6 cup) mixing bowl to make the recipe? Explain your answer.

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MATH BRIDGE

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Solve each problem.

1. Karen was taking piano lessons. She was required to practice $\frac{3}{4}$ hour each night after dinner. How many minutes is that?
2. During a 60-minute television show, one advertiser has $2\frac{1}{2}$ minutes of commercial time. Each commercial is $\frac{1}{2}$ minute long. How many commercials does the advertiser have during the show?
3. Scott is going to plant bushes $3\frac{1}{2}$ feet high along his fence. The fence is $1\frac{1}{2}$ times as high as the bushes. What is the height of the fence?
4. Coach Starks' basketball team practices are $\frac{3}{4}$ hour long. The team spends $\frac{1}{3}$ of that time exercising. How much of the practice time does the team exercise?
5. Ms. Reynolds has packed some training manuals for shipment. Each manual weighs $2\frac{1}{2}$ pounds. The total weight of the box is $58\frac{3}{4}$ pounds. About how many manuals are in the box?
6. Mrs. Harrington is going out of town for $5\frac{1}{2}$ days. Her 2 neighbors will watch the dog while she is away. They will divide the time equally. How long will each watch the dog?
7. Will and John spend $4\frac{1}{2}$ hours cycling each week. How many hours do they spend cycling in 4 weeks?

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