

Homework

The graph below shows the amount of snow recorded each month last winter. Use the graph for Problems 1–6.

1. During which month was the amount of snow recorded 12 inches greater than the amount of snow recorded in December?

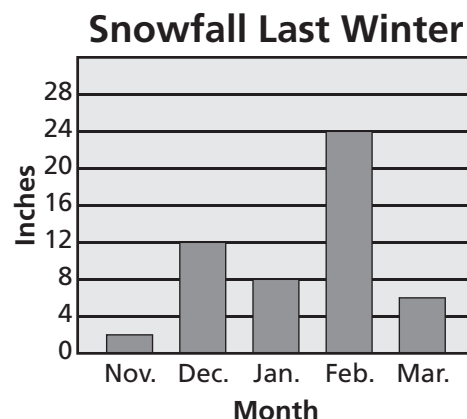
2. How many fewer inches of snow were recorded in March than were recorded in February?

3. The total amount of snow shown in the graph is 4 times as much snow as was recorded during the winter of 2004. How much snow was recorded during the winter of 2004?

4. Write an addition equation and a subtraction equation that compare the number of inches of snow recorded during December (d) to the number of inches of snow recorded during March (m).

5. Write a multiplication equation and a division equation that compare the number of inches of snow recorded during November (n) to the number of inches of snow recorded during January (j).

6. On a separate sheet of paper, write a sentence about the graph that contains the words *times as much*.



Remembering

Sketch an area model for each exercise. Then find the product.

1. 28×45 _____

2. 53×96 _____

Solve using any method.

3. $9 \overline{)506}$

4. $2 \overline{)538}$

5. $7 \overline{)8,165}$

Write and solve an equation to solve each problem.
Draw comparison bars when needed.

Show your work.

6. Benjamin received 52 emails at work today. This is 4 times as many emails as he received yesterday. How many emails did Benjamin receive yesterday?

7. There are 327 third-grade students on a field trip at the history museum. There are 423 fourth-grade students on the same field trip. How many fewer third-grade students are there than fourth-grade students on the field trip?

8. **Stretch Your Thinking** Look at the graph. Tatiana says there are 4 more dog owners than fish owners in the classroom. Explain Tatiana's error. Then write an equation that compares the numbers of dog owners and fish owners in the classroom.

