### Practice B

**Percent Problems**

Find the percent of each number.

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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>1. 8% of 40</td>
<td>2. 105% of 80</td>
</tr>
<tr>
<td>3. 35% of 300</td>
<td>4. 13% of 66</td>
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<tr>
<td>5. 64% of 50</td>
<td>6. 51% of 445</td>
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<tr>
<td>7. 14% of 56</td>
<td>8. 98% of 72</td>
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<tr>
<td>9. 24% of 230</td>
<td>10. 35% of 225</td>
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<tr>
<td>11. 44% of 89</td>
<td>12. 3% of 114</td>
</tr>
<tr>
<td>13. 70% of 68</td>
<td>14. 1.5% of 300</td>
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<tr>
<td>15. 85% of 240</td>
<td>16. 47% of 13</td>
</tr>
<tr>
<td>17. 20% of 522</td>
<td>18. 2.5% of 400</td>
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19. Jenna ordered 28 shirts for her soccer team. Seventy-five percent of those shirts were size large. How many large shirts did Jenna order?

20. Douglas sold 125 sandwiches to raise money for his boy scout troop. Eighty percent of those sandwiches were sold in his neighborhood. How many sandwiches did Douglas sell in his neighborhood?

21. Samuel has run for 45 minutes. If he has completed 60% of his run, how many minutes will Samuel run in all?
Find the percent of each number.

1. 8% of 40  2. 105% of 80  3. 35% of 300  4. 13% of 66  5. 64% of 50  6. 51% of 445  7. 14% of 56  8. 98% of 72  9. 24% of 230  10. 35% of 225  11. 44% of 89  12. 3% of 114  13. 70% of 68  14. 15% of 300  15. 85% of 240  16. 47% of 13  17. 20% of 522  18. 2.5% of 400

Find 25% of 72, first set up a proportion.

\[ \frac{25}{100} = \frac{x}{72} \]

Next, find cross products.

\[ 1,800 = 100x \]
\[ 1,800 \div 100 = x \]
\[ x = 18 \]

So, 18 is 25% of 72.

Use a proportion to find each number.

1. Find 3% of 75.  2. Find 15% of 85.  3. Find 20% of 50.  4. Find 6% of 90.

Use multiplication to solve percent problems.

To find 9% of 70, first write the percent as a decimal.

9% = 0.09

Then multiply using the decimal.

0.09 \times 70 = 6.3

So, 9% of 70 is 6.3.

Use multiplication to find each number.

5. Find 80% of 48.  6. Find 6% of 30.  7. Find 40% of 120.  8. Find 20% of 98.

Find 80% of 48.  6. Find 6% of 30.  7. Find 40% of 120.  8. Find 20% of 98.

Find 9% of 70.  10. Find 35% of 120.  11. Find 9% of 50.  12. Find 40% of 150.

Answers will vary depending on the number of students in the class and the number of students in the school. Example answers are given for a 30-student class and a 200-student school.