SAMPLE TEST ITEMS
DIRECTIONS

1. Mark your answers only on the answer sheet. Please do not write in the test booklet. Use scratch paper to do your work if needed. Use number 2 pencil only.

2. Try to answer the question. Choose the one best answer. If you want to change an answer, be sure to erase the first mark completely. If you don’t know an answer, you can go to the next question. Follow the numbers carefully.

3. You may not use a calculator.

Practice 1

<table>
<thead>
<tr>
<th>AUTO SALES</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>105</td>
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</tbody>
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By what percentage did sales increase from July to August?

A. 1%
B. 5%
C. 10.5%
D. 105%

Practice 2

The formula for the area of a square is $A = s^2$. Which expression is equivalent to $s^2$?

A. $\frac{s}{2}$
B. $2s$
C. $4s$
D. $s \times s$
1. \[ 18 \frac{5}{8} - 9 \frac{1}{2} = \]

A. \( 9 \frac{1}{8} \)
B. \( 9 \frac{1}{4} \)
C. \( 9 \frac{4}{6} \)
D. \( 9 \frac{5}{4} \)

2. Warmer air moved into the city last night, raising the temperature from a low of \(-7^\circ\) overnight to a high of \(19^\circ\) this morning.

What was the total increase in temperature?

A. \(12^\circ\)
B. \(16^\circ\)
C. \(26^\circ\)
D. \(29^\circ\)

3. Corwell Inc. wants to increase production of a new product. The chart above shows the number of units their current staff produces. At this rate, what is the minimum number of workers they would need to produce at least 200 units daily?

A. 11
B. 12
C. 13
D. 14
4. Cheryl is planning a garden that will be 8x7 feet. She wants it to be raised by 6 inches. How many cubic feet of topsoil will she need to add?

A. 28  
B. 54  
C. 168  
D. 336

5. A shoe store is going out of business. All shoes were marked half off and are now an additional 20% off the sale price. Given a shoe’s original price $P$, which of the following equations shows the final price $F$?

A. $F = 0.20(P/2)$  
B. $F = 0.30(P)$  
C. $F = 0.70(P)$  
D. $F = 0.80(P/2)$