1. The Office Store sells printer paper. Last week, the store sold 324 packs of white paper, which was 40% of the paper it sold for the whole week. The store also sold 81 packs of blue paper, 243 packs of yellow paper, and 162 packs of pink paper. The store manager needs to determine the percentages of the other paper sold.

Select Yes or No to indicate whether the statement agrees with the information in the above problem.

A. 15% of the paper sold was blue. ○ Yes ○ No
B. 30% of the paper sold was yellow. ○ Yes ○ No
C. 20% of the paper sold was pink. ○ Yes ○ No

2. Choose True or False.

A. There is 0.15 centimeter in 15 meters. ○ True ○ False
B. Eight pounds is equal to 128 ounces. ○ True ○ False
C. There are 108 inches in 9 yards. ○ True ○ False
D. 16 kilometers is equal to 16,000 meters. ○ True ○ False

3. Barbara can walk 3,200 meters in 24 minutes. Mavis can walk 11,808 feet in 24 minutes. Who walks at a faster rate of speed? Explain the steps you take to solve the problem. Use 1 m ≈ 3.28 ft or 1 ft ≈ 0.305 ft.

4. The table shows the number of windows and the number of panes of glass in the windows. Jim predicts that for 15 windows there are 75 panes. Is Jim correct? Use the ratio of windows to panes to explain if Jim’s prediction is correct or incorrect.

<table>
<thead>
<tr>
<th>Windows</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panes</td>
<td>12</td>
<td>18</td>
<td>24</td>
<td>30</td>
</tr>
</tbody>
</table>
**Performance Tasks**

★ 5. A recipe calls for 6 cups of water and 4 cups of flour.
   
   **a.** If the recipe is increased to use 6 cups of flour, how much water should be used? Explain.
   
   **b.** If the recipe is decreased to 2 cups of water, how much flour should be used? Explain.

★★ 6. Ivan saves 20% of his monthly paycheck for music equipment. He earned $335 last month.
   
   **a.** How much did he save for music equipment? Explain.
   
   **b.** If he uses $20.10 of what he earned to buy sheet music, what percent of his earnings is this amount? Explain.

★★★ 7. Davette wants to buy flannel sheets. She reads that a mass of at least 190 grams per square meter is considered high quality.
   
   **a.** Davette finds a sheet that has a mass of 920 grams per 5 square meters. Does this sheet satisfy the requirement for high-quality sheets? If not, what should the mass be for 5 square meters? Explain.
   
   **b.** Davette finds three more options for flannel sheets:
   
   Option 1: 1,101 g of flannel in 6 square meters, $45.00
   
   Option 2: 1,248 g of flannel in 6.5 square meters, $42.25
   
   Option 3: 1,300 g of flannel in 6.4 square meters, $52.00
   
   She would like to buy the sheet that meets the requirement for high quality and has the lowest price per square meter. Which option should she buy? Justify your answer.