From the list of six words on the left, find which four words can be placed in each matrix in the direction of the arrows to complete the grid.

CAREFARE
TERRACE
CASTING
ORIFICE
CALORIE
OSSELET

BARGAIN
NATURAL
NOSTRIL
SEAGULL
NEUTRON
BLOUSON
Palindromes are statements that form the same statement when read forward or backward. Can you circle the palindromes in the list below? All punctuation marks can be ignored.

<table>
<thead>
<tr>
<th>ANNA</th>
<th>KAYAK</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATS</td>
<td>SAGAS</td>
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<tr>
<td>RACECAR</td>
<td>MAMA</td>
</tr>
<tr>
<td>WON IT NOW</td>
<td>RADAR</td>
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<tr>
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</tr>
<tr>
<td>DEE SAW A SEED</td>
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<td>I AM MAD, MADAM</td>
<td>NEVER ODD OR EVEN</td>
</tr>
<tr>
<td>STRESSED DESSERTS</td>
<td>AMY MUST I SEE MY MA</td>
</tr>
</tbody>
</table>
Reconstruct the twenty words of two syllables for the theme clothing. Be aware that each syllable listed can only be used once!

<table>
<thead>
<tr>
<th>hood</th>
<th>dress</th>
<th>ron</th>
<th>sweat</th>
<th>t</th>
</tr>
</thead>
<tbody>
<tr>
<td>waist</td>
<td>er</td>
<td>po</td>
<td>romp</td>
<td>lo</td>
</tr>
<tr>
<td>is</td>
<td>ing</td>
<td>trou</td>
<td>khak</td>
<td>ten</td>
</tr>
<tr>
<td>suit</td>
<td>ie</td>
<td>coat</td>
<td>tun</td>
<td>jack</td>
</tr>
<tr>
<td>ap</td>
<td>a</td>
<td>sun</td>
<td>blaz</td>
<td>jump</td>
</tr>
<tr>
<td>ic</td>
<td>er</td>
<td>mit</td>
<td>gos</td>
<td>ie</td>
</tr>
<tr>
<td>shirt</td>
<td>bean</td>
<td>car</td>
<td>park</td>
<td>stock</td>
</tr>
<tr>
<td>sers</td>
<td>er</td>
<td>track</td>
<td>et</td>
<td>er</td>
</tr>
</tbody>
</table>

Your Words:

<p>| | | |</p>
<table>
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</table>
Using the math problems below, solve what number each image equals.

\[
\begin{align*}
\text{Snowman} & + \text{Snowflake} = 7 \\
\text{Snowflake} & + \text{Coffee} = 12 \\
\text{Snowman} & + \text{Mouse} = 11 \\
\text{Heart} & + \text{Heart} = 5 \\
\text{Heart} & + \text{Heart} = 6 \\
\text{Mouse} & + \text{Lightning} = 21 \\
\text{Coffee} & + \text{Skate} = 15 \\
\text{Lightning} & + \text{Snowflake} = 17
\end{align*}
\]
Can you figure out what direction the gears are moving in? Studying each gears movement in relation to the top one, determine if Gear A, B, C, and D are moving clockwise or counterclockwise.
Can you spot which 3D image doesn’t match the other two? In each group, mentally rotate the images to see which image doesn’t belong.
Based on the information provided, fill in the math problem correctly. You can use addition, subtraction, and division to get to the answer. Parenthesis can also be used to complete the problem. Hint: The smaller circles indicate where an operation should go, and the larger circles show where a number should be placed.
Using the answers given, solve what number each shape represents. Once you have decoded the shapes, solve the last problem in each group.

Hint: You can use a number more than once.

**Group 1**

- $\square + \square = 10$
- $\triangle + \square = 12$
- $\triangle - \bigcirc = 3$
- $\diamond \times \bigcirc = 36$
- $\diamond - \triangle = ?$

**Group 2**

- $\square + \triangle = 8$
- $\triangle + \bigcirc = 7$
- $\bigcirc \times \square = 9$
- $\diamond \times \bigcirc = 4$
- $\bigcirc + \diamond = ?$

**Solutions**

- $\square = 5$
- $\triangle = 3$
- $\bigcirc = 2$

- $\square = 2$
- $\triangle = 4$
- $\bigcirc = 1$
ANSWERS

Hands: Left   Right

  Left   Left

  Right Right

  Left   Right

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Reconstructed syllables: hoodie, kahkis, beanie, sundress, apron, parka, polo, jacket, stocking, trousers, tracksuit, romper, waistcoat, sweater, tunic, tshirt, jumper, mitten, blazer, cargos

Using the math problems below, solve what number each image equals.

\[
\begin{align*}
&\text{SNOW} + \text{THERMOMETER} = 7 \\
&\text{SNOW} + \text{MUG} = 12 \\
&\text{SNOW} + \text{BEAR} = 11 \\
&\text{BEAR} + \text{HEART} = 5 \\
&\text{HEART} + \text{HEART} = 6 \\
&\text{BEAR} + \text{FLASH} = 21 \\
&\text{MUG} + \text{SHOE} = 15 \\
&\text{FLASH} + \text{THERMOMETER} = 17 \\
\end{align*}
\]

\[
\begin{align*}
&\text{SNOWFLAKE} = 2 \\
&\text{THERMOMETER} = 5 \\
&\text{MUG} = 7 \\
&\text{BEAR} = 9 \\
&\text{HEART} = 3 \\
&\text{FLASH} = 12 \\
&\text{SHOE} = 8 \\
\end{align*}
\]

SOLUTIONS

\[
\begin{align*}
&\text{A: Clockwise} \\
&\text{B: Clockwise} \\
&\text{C: Counterclockwise} \\
&\text{D: Clockwise} \\
\end{align*}
\]
3D Shapes, odd one out: Right, Left, Middle, Right

Group 1
- □ + □ = 10
- ▲ + □ = 12
- ▲ - □ = 3
- □ x □ = 36
- ◆ - ▲ = ?

Group 2
- □ + ▲ = 8
- ▲ + ● = 7
- ▲ - ● = 3
- □ x □ = 9
- ◆ x ● = 4
- ▲ + ◆ = ?

= 5  ▲ = 7  ● = 4
= 9  ▲ = 5  ● = 2
= 2  ▲ = 3  ● = 2
= 4  ◆ = 2  ● = 4