Instructions: This course has 5 separate instruction sheets for use with a compass or a GPS.

All courses start at the corner of the human foosball course to avoid spaces where merit badges are taught during summer camp. Please remind the user that the metal posts of the human foosball course may impact the position of their compass needle.

The user will start at marker #5. They will determine their direction and then walk the distance needed to get to the next point. They will then write the station number where they arrived on their worksheet. Once they repeat this 4 times, they will add the station number together to get a final number, which is the final answer.

Course #1 (YELLOW)  \[ 5 + 1 + 4 + 9 + 3 = 22 \]
Course #2 (RED)  \[ 5 + 6 + 7 + 3 + 2 = 23 \]
Course #3: (BLUE)  \[ 5 + 2 + 9 + 4 + 7 = 27 \]
Course #4 (GREEN)  \[ 5 + 8 + 6 + 9 + 3 = 31 \]
Course #5 (PURPLE)  \[ 5 + 9 + 1 + 4 + 8 = 27 \]
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</tbody>
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COSA Area Compass #1

Start Location: 5

1st Bearing: 80° @ 198 Feet: Final Destination: _______1
2nd Bearing: 220° @ 159 Feet: Final Destination: _______4
3rd Bearing: 338° @ 257 Feet: Final Destination: _______9
4th Bearing: 120° @ 314 Feet: Final Destination: _______3

All destinations added together: 5 + _____ + _____ + _____ = _____

COSA Area Compass #1

Start Location: 5

1st Bearing: 80° @ 198 Feet: Final Destination: _______1
2nd Bearing: 220° @ 159 Feet: Final Destination: _______4
3rd Bearing: 338° @ 257 Feet: Final Destination: _______9
4th Bearing: 120° @ 314 Feet: Final Destination: _______3

All destinations added together: 5 + _____ + _____ + _____ = _____

COSA Area Compass #1

Start Location: 5

1st Bearing: 80° @ 198 Feet: Final Destination: _______1
2nd Bearing: 220° @ 159 Feet: Final Destination: _______4
3rd Bearing: 338° @ 257 Feet: Final Destination: _______9
4th Bearing: 120° @ 314 Feet: Final Destination: _______3

All destinations added together: 5 + _____ + _____ + _____ = _____
COSA Area Compass #2

Start Location: 5

1st Bearing: 262° @ 87 Feet: Final Destination: _______

2nd Bearing: 330° @ 120 Feet: Final Destination: _______

3rd Bearing: 126° @ 392 Feet: Final Destination: _______

4th Bearing: 342° @ 60 Feet: Final Destination: _______

All destinations added together: 5 + _____ + _____ + _____ + _____ = _____

COSA Area Compass #2

Start Location: 5

1st Bearing: 262° @ 87 Feet: Final Destination: _______

2nd Bearing: 330° @ 120 Feet: Final Destination: _______

3rd Bearing: 126° @ 392 Feet: Final Destination: _______

4th Bearing: 342° @ 60 Feet: Final Destination: _______

All destinations added together: 5 + _____ + _____ + _____ + _____ = _____

COSA Area Compass #2

Start Location: 5

1st Bearing: 262° @ 87 Feet: Final Destination: _______

2nd Bearing: 330° @ 120 Feet: Final Destination: _______

3rd Bearing: 126° @ 392 Feet: Final Destination: _______

4th Bearing: 342° @ 60 Feet: Final Destination: _______

All destinations added together: 5 + _____ + _____ + _____ + _____ = _____
COSA Area Compass #3

Start Location: 5

1st Bearing: 78° @ 210 Feet: Final Destination: _______
2nd Bearing: 294 @ 268 Feet: Final Destination: _______
3rd Bearing: 140° @ 257 Feet: Final Destination: _______
4th Bearing: 310° @ 292 Feet: Final Destination: _______

All destinations added together: 5 + _____ + _____ + _____ + _____ = _____
COSA Area Compass #4

Start Location: 5

1st Bearing: 312° @ 156 Feet: Final Destination: _______

2nd Bearing: 168° @ 127 Feet: Final Destination: _______

3rd Bearing: 4° @ 176 Feet: Final Destination: _______

4th Bearing: 120° @ 314 Feet: Final Destination: _______

All destinations added together: 5 + _____ + _____ + _____ = _____
COSA Area Compass #5

Start Location: 5

1st Bearing: 162° @ 158 Feet: Final Destination: ______

2nd Bearing: 106° @ 237 Feet: Final Destination: ______

3rd Bearing: 220° @ 159 Feet: Final Destination: ______

4th Bearing: 302° @ 280 Feet: Final Destination: ______

*All destinations added together: 5 + _____ + _____ + _____ = _____*

COSA Area Compass #5

Start Location: 5

1st Bearing: 162° @ 158 Feet: Final Destination: ______

2nd Bearing: 106° @ 237 Feet: Final Destination: ______

3rd Bearing: 220° @ 159 Feet: Final Destination: ______

4th Bearing: 302° @ 280 Feet: Final Destination: ______

*All destinations added together: 5 + _____ + _____ + _____ = _____*

COSA Area Compass #5

Start Location: 5

1st Bearing: 162° @ 158 Feet: Final Destination: ______

2nd Bearing: 106° @ 237 Feet: Final Destination: ______

3rd Bearing: 220° @ 159 Feet: Final Destination: ______

4th Bearing: 302° @ 280 Feet: Final Destination: ______

*All destinations added together: 5 + _____ + _____ + _____ = _____*
COSA Area GPS Course #1

<table>
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<th>Location</th>
<th>Longitude</th>
<th>Latitude</th>
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</tr>
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<tbody>
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<td>1st</td>
<td>84° 40.828</td>
<td>41° 41.980</td>
<td>Final Destination: _______</td>
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<td>2nd</td>
<td>84° 40.842</td>
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<td>Final Destination: _______</td>
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<td>84° 40.878</td>
<td>41° 41.987</td>
<td>Final Destination: _______</td>
</tr>
<tr>
<td>4th</td>
<td>84° 40.816</td>
<td>41° 41.966</td>
<td>Final Destination: _______</td>
</tr>
</tbody>
</table>

All destinations added together: 5 + _____ + _____ + _____ + _____ = _____
COSA Area GPS Course #2

Start Location: 5

1st Location: 84° 40.880  41° 41.960  Final Destination: _______
2nd Location: 84° 40.900  41° 41.972  Final Destination: _______
3rd Location: 84° 40.816  41° 41.966  Final Destination: _______
4th Location: 84° 40.823  41° 41.975  Final Destination: _______

All destinations added together: 5 + _____ + _____ + _____ + _____ = _____
COSA Area GPS Course #3

Start Location: 5

1st Location: 84° 40.823 41° 41.975 Final Destination: _______
2nd Location: 84° 40.878 41° 41.987 Final Destination: _______
3rd Location: 84° 40.842 41° 41.956 Final Destination: _______
4th Location: 84° 40.900 41° 41.972 Final Destination: _______

All destinations added together: 5 + _____ + _____ + _____ + _____ = _____
COSA Area GPS Course #4

Start Location: 5

1st Location: 84° 40.894 41° 41.976 Final Destination: _______

2nd Location: 84° 40.880 41° 41.960 Final Destination: _______

3rd Location: 84° 40.878 41° 41.987 Final Destination: _______

4th Location: 84° 40.816 41° 41.966 Final Destination: _______

All destinations added together: 5 + _____ + _____ + _____ = _____

COSA Area GPS Course #4

Start Location: 5

1st Location: 84° 40.894 41° 41.976 Final Destination: _______

2nd Location: 84° 40.880 41° 41.960 Final Destination: _______

3rd Location: 84° 40.878 41° 41.987 Final Destination: _______

4th Location: 84° 40.816 41° 41.966 Final Destination: _______

All destinations added together: 5 + _____ + _____ + _____ = _____

COSA Area GPS Course #4

Start Location: 5

1st Location: 84° 40.894 41° 41.976 Final Destination: _______

2nd Location: 84° 40.880 41° 41.960 Final Destination: _______

3rd Location: 84° 40.878 41° 41.987 Final Destination: _______

4th Location: 84° 40.816 41° 41.966 Final Destination: _______

All destinations added together: 5 + _____ + _____ + _____ = _____
COSA Area GPS Course #5

Start Location: 5

1st Location: 84° 40.878  41° 41.987  Final Destination: _______
2nd Location: 84° 40.828  41° 41.980  Final Destination: _______
3rd Location: 84° 40.842  41° 41.956  Final Destination: _______
4th Location: 84° 40.894  41° 41.976  Final Destination: _______

All destinations added together: 5 + _____ + _____ + _____ + _____ = _____