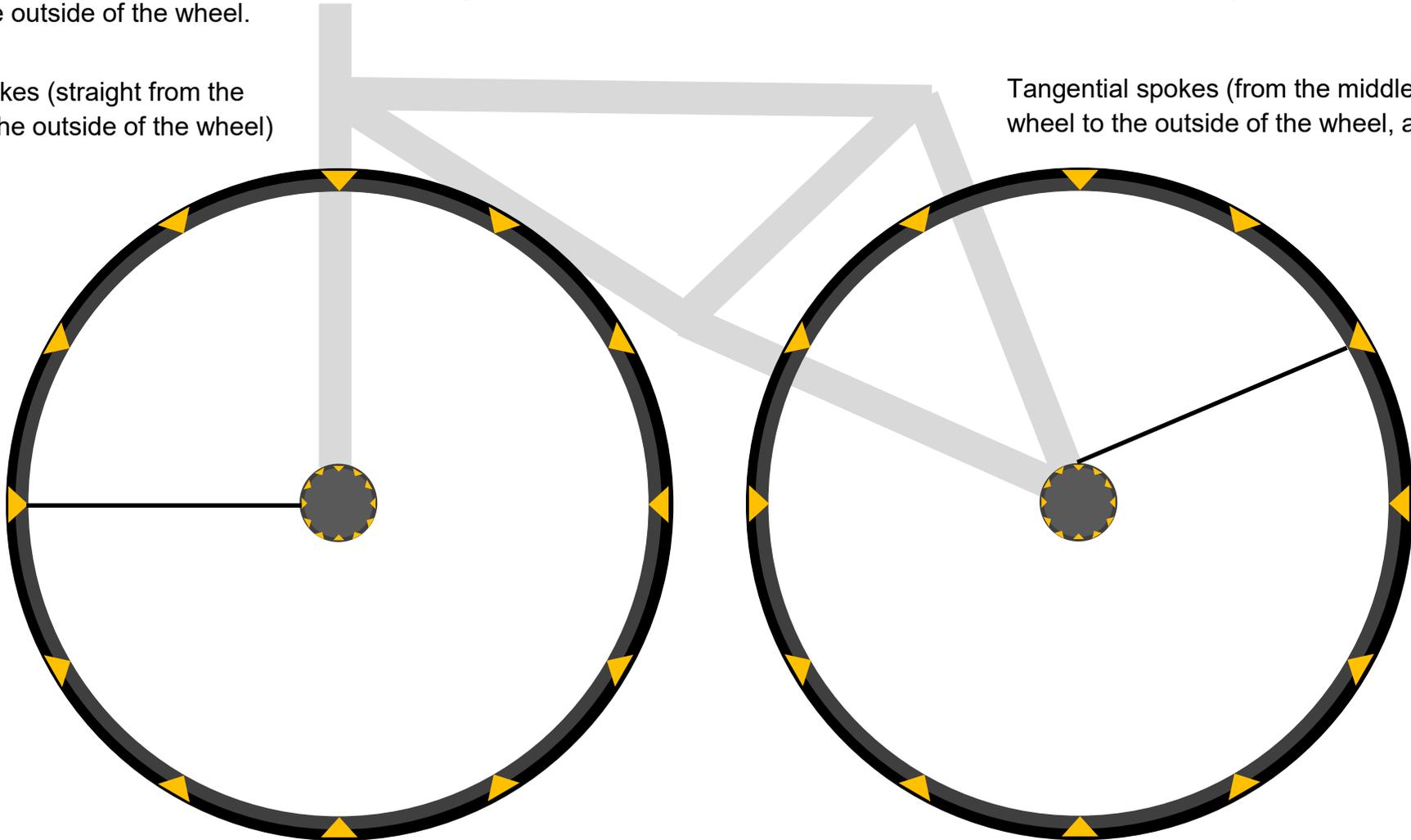


# Spokes

Using a pencil and a ruler, draw the spokes onto the wheels using the two different arrangements: radial and tangential. Make sure that your lines start from the outside edge of the circle in the middle (not the centre of the circle), and then join them to the arrows around the outside of the wheel.

Radial spokes (straight from the middle to the outside of the wheel)

Tangential spokes (from the middle of the wheel to the outside of the wheel, at an angle)



Which spoke pattern uses more 'wire': radial or tangential? (measure in centimeters)

What is the difference between the 2 amounts of wire?