



## Englische Übungen zum Kreis

1. Draw three concentric circles. Use your compasses.
2. Draw a circle with radius  $r = 57$  mm and a line  $g$  which intersects this circle. Then draw two parallel lines to this intersecting line  $g$ : one line should be a tangent, the other should be a non-intersecting line of the circle.
3. Draw a circle with radius  $r = 49$  mm and one diameter of this circle. Then draw the two parallel and the two perpendicular tangent lines to this diameter.

## Vocabulary

| Englisch              | Deutsch                  |
|-----------------------|--------------------------|
| midpoint              | Mittelpunkt              |
| radius                | Radius                   |
| diameter              | Durchmesser              |
| circle                | Kreis                    |
| area of a circle      | Kreisfläche              |
| compasses             | Zirkel                   |
| to draw               | zeichnen                 |
| concentric circles    | konzentrische Kreise     |
| tangent               | Tangente                 |
| to intersect          | einander schneiden       |
| parallel line         | Parallele                |
| intersecting line     | schneidende Gerade       |
| non-intersecting line | nicht schneidende Gerade |
| perpendicular line    | Normale                  |



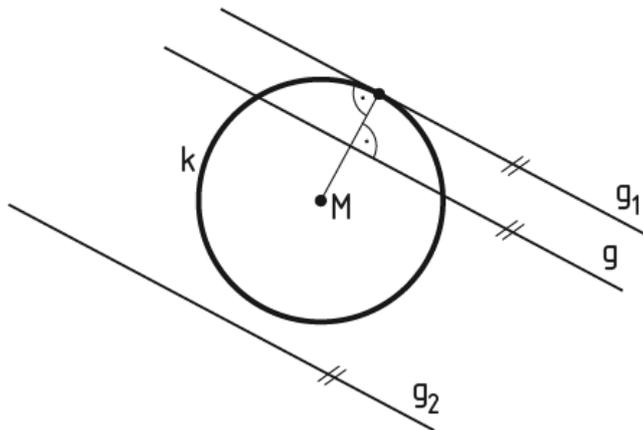


## Solutions

### 1. for example



2. Draw a circle with radius  $r = 57$  mm and a line  $g$  which intersects this circle. Then draw two parallel lines to this intersecting line  $g$ : one line should be a tangent, the other should be a non-intersecting line of the circle.



3. Draw a circle with radius  $r = 49$  mm and one diameter of this circle. Then draw the two parallel and the two perpendicular tangent lines to this diameter.

