

Thomas Püttmann

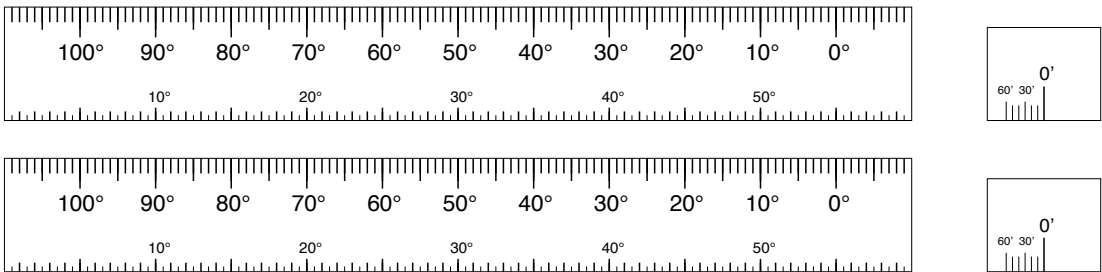
## **Mathematik verstehen mit fischertechnik**

28 faszinierende Modelle bauen, die rechnen, zeichnen und messen

# **Material zum Drucken**

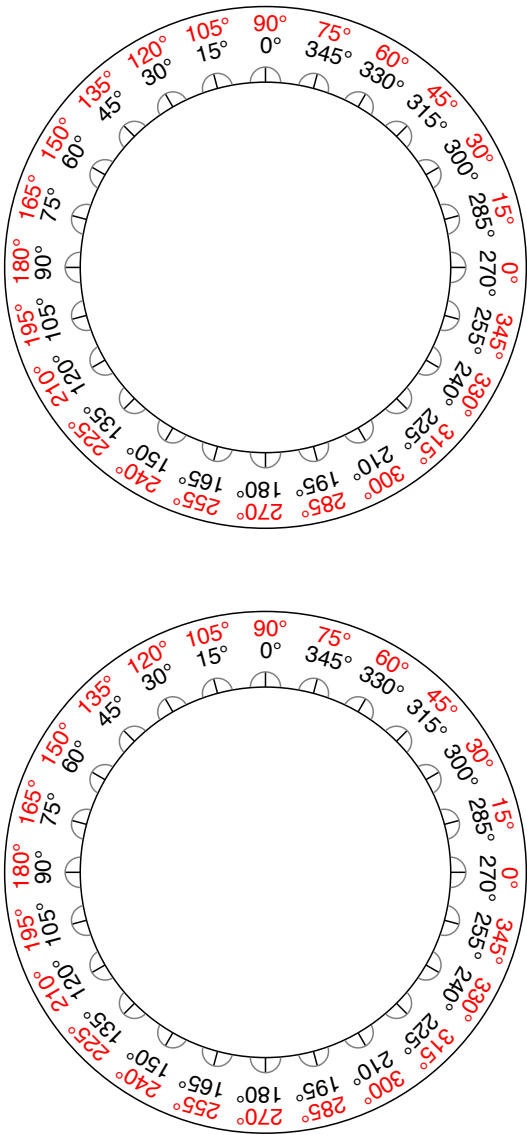
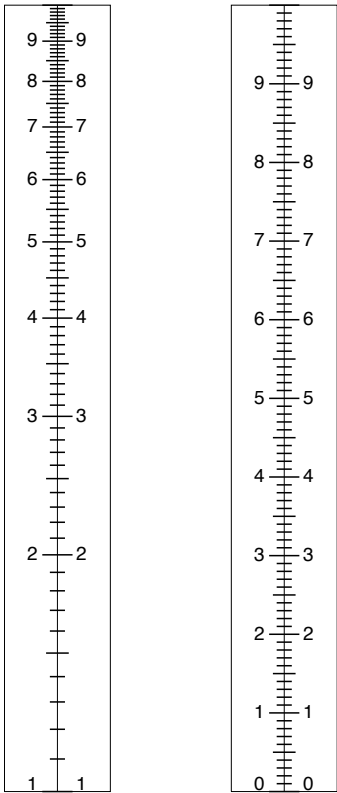
**auf 100% Größe ausdrucken  
(tatsächliche Größe)**

Kapitel 3 - Der Sextant



Kapitel 6 - Der Sinuscomputer

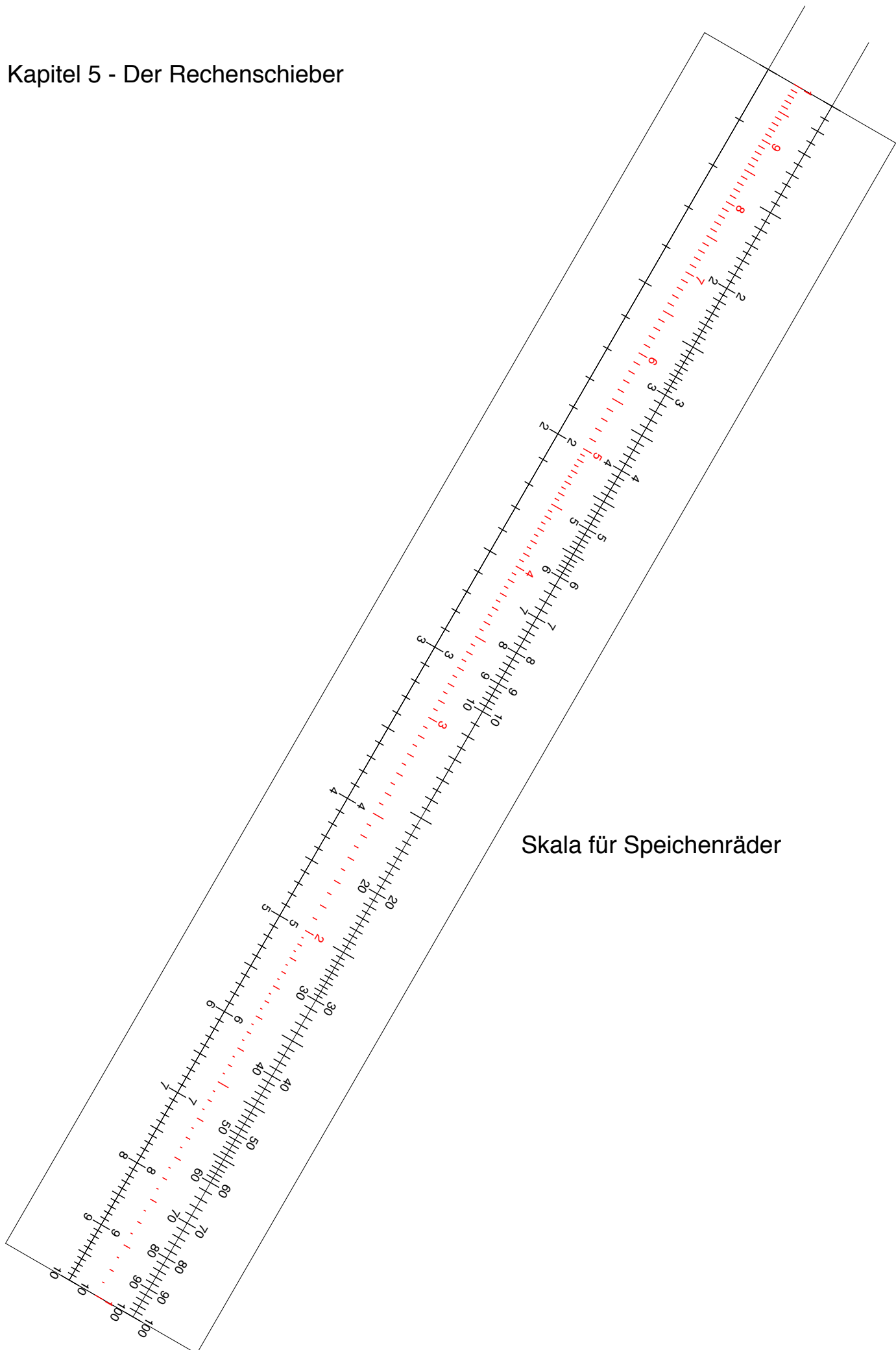
Kapitel 5 - Der Rechenschieber



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## Kapitel 5 - Der Rechenschieber



## Skalen für Reifen 45

[illegible]

## Skalen für Reifen 45

|   |
|---|
| 1 |
| 2 |
| 3 |
| 4 |
| 5 |
| 6 |
| 7 |
| 8 |
| 9 |

**Tipp: Für Kinder im Grundschulalter ist der Lernerfolg am größten, wenn sie das Einmaleins selbst in den verschiedenen Farben in die Tabellen eintragen. Ich schicke auf Anfrage gerne leere Tabellen zu.**

| 0 | 1 | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  |
|---|---|----|----|----|----|----|----|----|----|
|   | 1 | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  |
|   | 2 | 4  | 6  | 8  | 10 | 12 | 14 | 16 | 18 |
|   | 3 | 6  | 9  | 12 | 15 | 18 | 21 | 24 | 27 |
|   | 4 | 8  | 12 | 16 | 20 | 24 | 28 | 32 | 36 |
|   | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 |
|   | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 |
|   | 7 | 14 | 21 | 28 | 35 | 42 | 49 | 56 | 63 |
|   | 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 |
|   | 9 | 18 | 27 | 36 | 45 | 54 | 63 | 72 | 81 |

## Skalen für Felgen 43

[illegible]

## Kapitel 15 - Die Multiplikationswalzen

## Skalen für Felge 43

|   |
|---|
| 1 |
| 2 |
| 3 |
| 4 |
| 5 |
| 6 |
| 7 |
| 8 |
| 9 |

[illegible]

Kapitel 18 - Der Binärrechner

|    |    |    |    |   |   |   |   |
|----|----|----|----|---|---|---|---|
| x1 | x2 | x4 | x8 |   |   |   |   |
| 0  | 0  | 0  | 0  | 1 | 1 | 1 | 1 |
| x1 | x2 | x4 | x8 |   |   |   |   |
| 0  | 0  | 0  | 0  | 1 | 1 | 1 | 1 |

Kapitel 19 - Der DA-Wandler

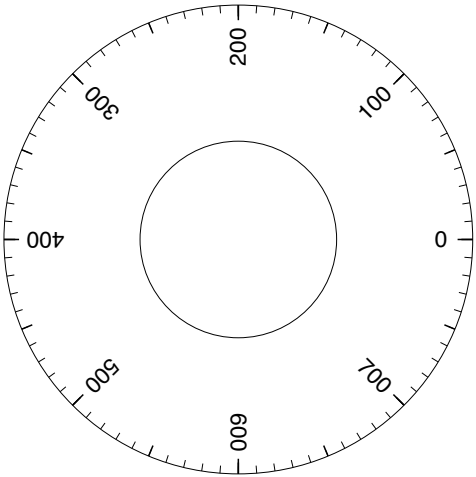
Kapitel 14  
Die kleine Rechenmaschine

|   |   |   |   |
|---|---|---|---|
|   |   |   |   |
| 9 | 9 | 0 | 0 |
| 8 | 8 | 1 | 1 |
| 7 | 7 | 2 | 2 |
| 6 | 6 | 3 | 3 |
| 5 | 5 | 4 | 4 |
| 4 | 4 | 5 | 5 |
| 3 | 3 | 6 | 6 |
| 2 | 2 | 7 | 7 |
| 1 | 1 | 8 | 8 |
| 0 | 0 | 9 | 9 |

|   |   |
|---|---|
| 0 | 0 |
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |

|   |   |   |
|---|---|---|
| 1 | 1 | 1 |
| 0 | 0 | 0 |

Kapitel 8 - Das Planimeter



Kapitel 16 - Der Analogzähler

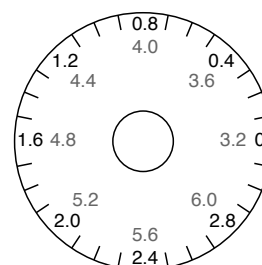
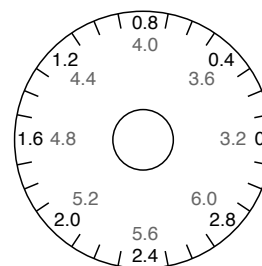
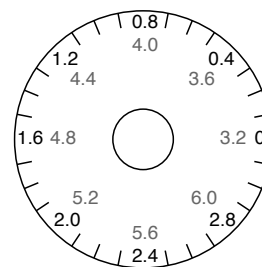
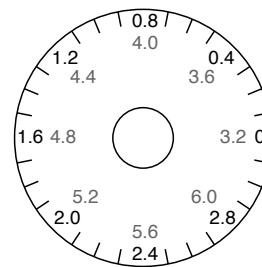
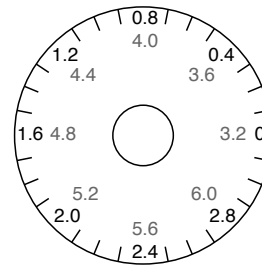
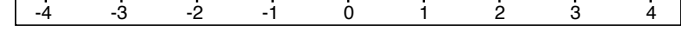
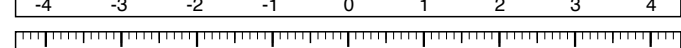
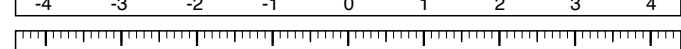
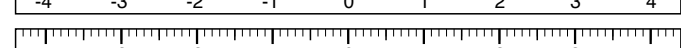
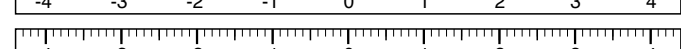
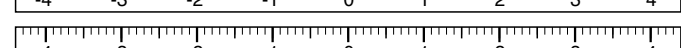
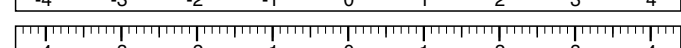
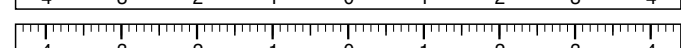
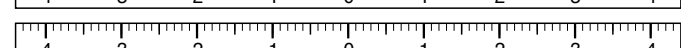
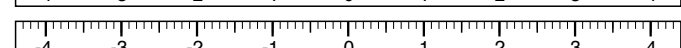
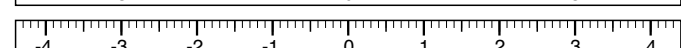
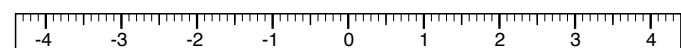
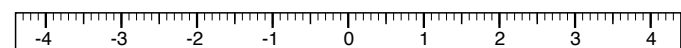
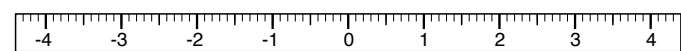
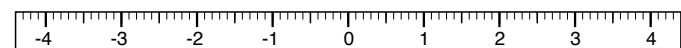
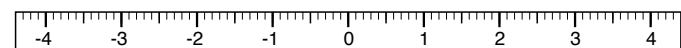
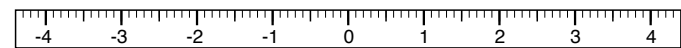
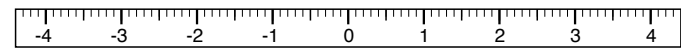
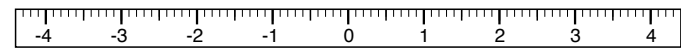
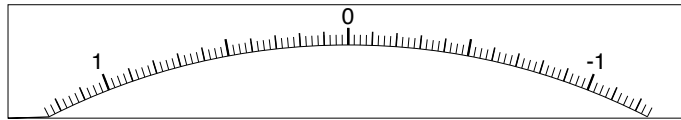
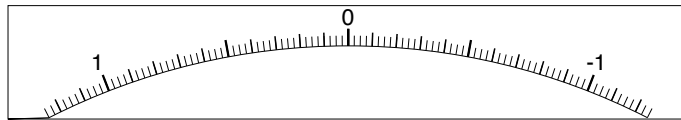
|   |   |   |   |   |   |   |   |   |   |  |
|---|---|---|---|---|---|---|---|---|---|--|
| 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |  |
| 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |  |
| 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |  |
| 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |  |

|                          |                          |                          |                          |                          |                          |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                          |                          |                          |                          |                          |                          |
| 6                        | 6                        | 6                        | 6                        | 6                        | 6                        |
| 7                        | 7                        | 7                        | 7                        | 7                        | 7                        |
| 8                        | 8                        | 8                        | 8                        | 8                        | 8                        |
| 9                        | 9                        | 9                        | 9                        | 9                        | 9                        |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 0                        | 0                        | 0                        | 0                        | 0                        | 0                        |
| 1                        | 1                        | 1                        | 1                        | 1                        | 1                        |
| 2                        | 2                        | 2                        | 2                        | 2                        | 2                        |
| 3                        | 3                        | 3                        | 3                        | 3                        | 3                        |
| 4                        | 4                        | 4                        | 4                        | 4                        | 4                        |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5                        | 5                        | 5                        | 5                        | 5                        | 5                        |

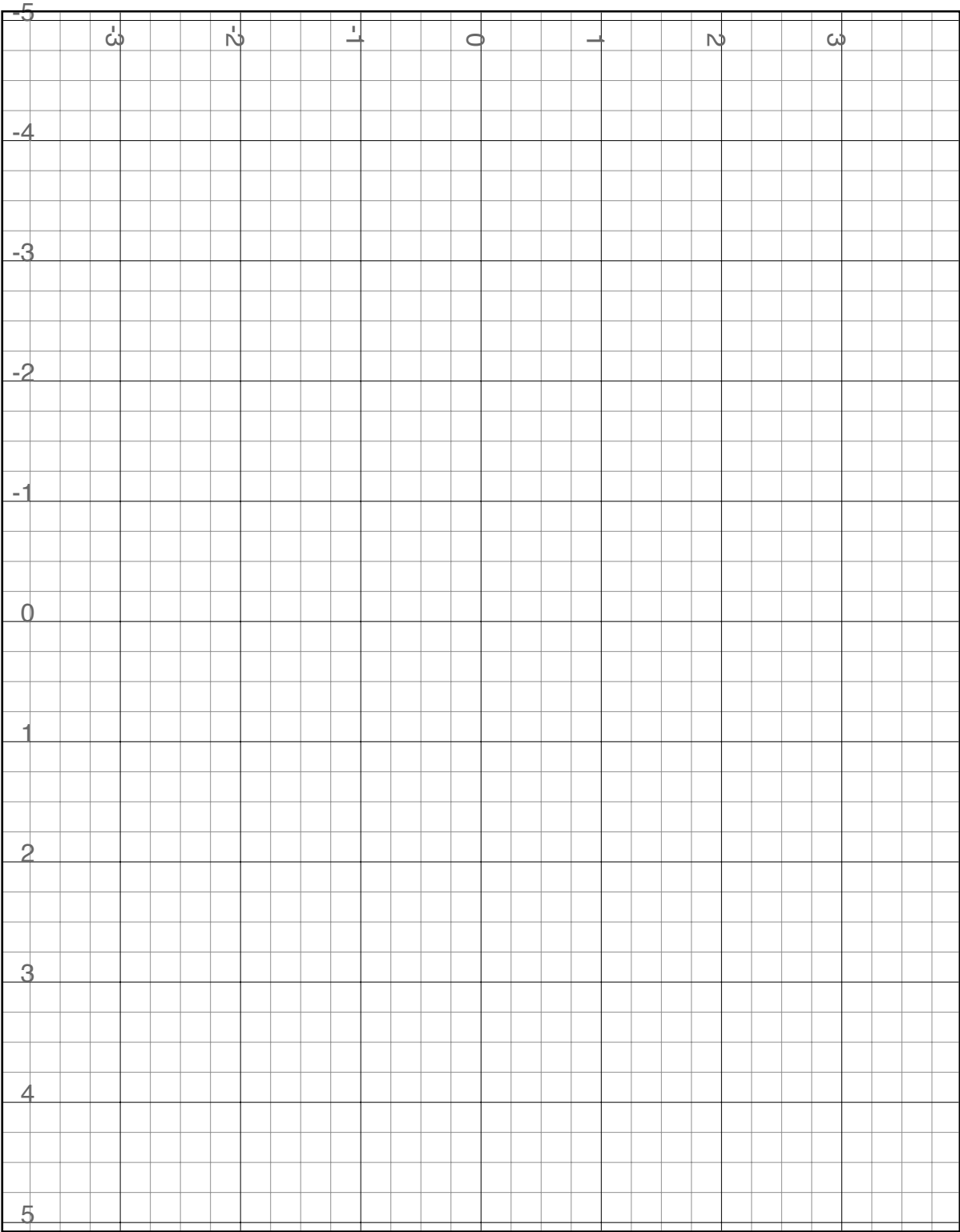
## Kapitel 17

### Die Rechenmaschine

## Kapitel 20 - Der Seilcomputer



Kapitel 26 - Der Isograph



31

29

26

23

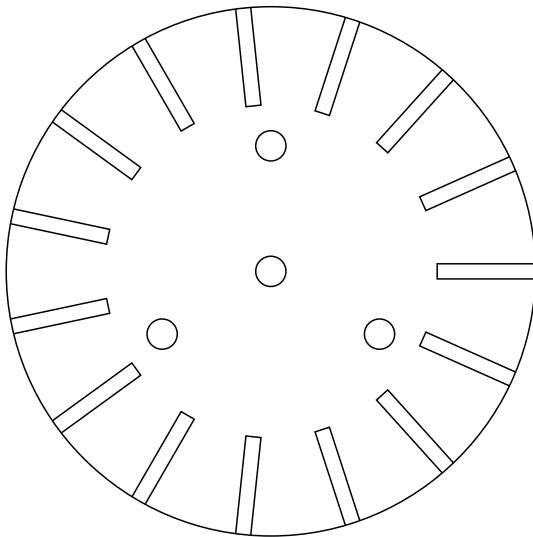
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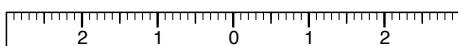
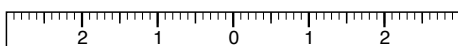
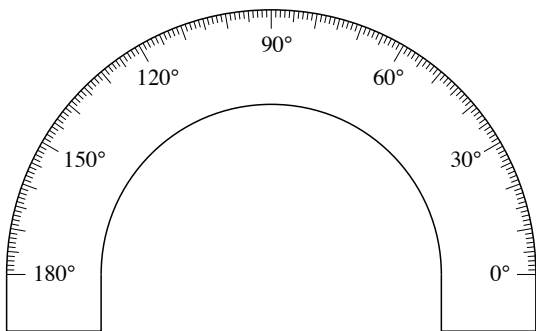
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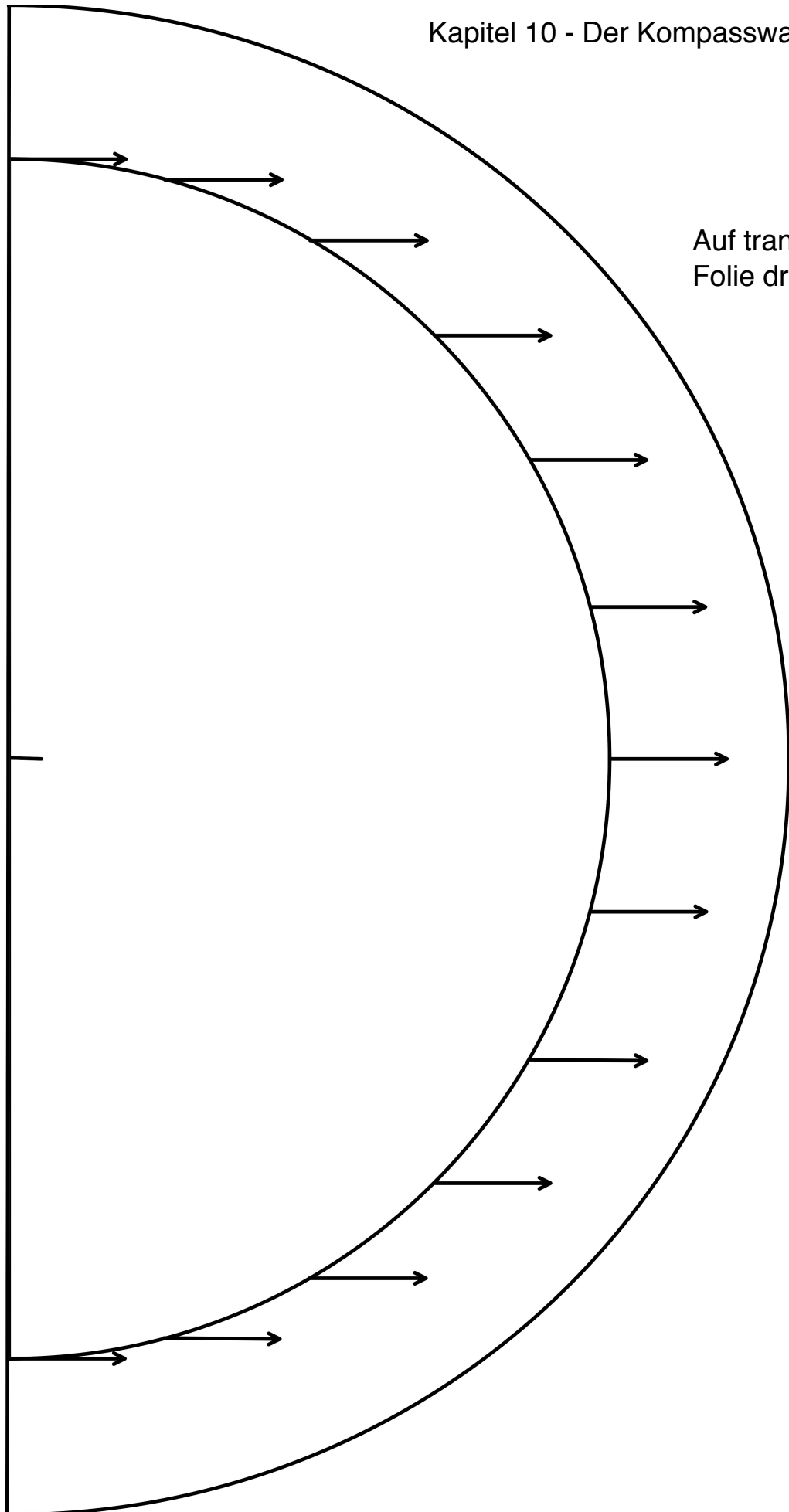
## Kapitel 28 - Der Faktorisierer



## Kapitel 26 - Der Isograph

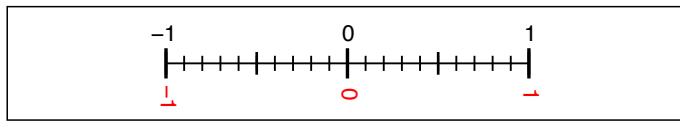


## Kapitel 10 - Der Kompasswagen



Auf transparente  
Folie drucken!

## Kapitel 6 - Der Sinuscomputer



Auf transparente  
Folie drucken!

