

Steun in de rug

**Rekenen is leuker als je denkt!**


Taal & Rekenen mbo
Verschil RR en TR


- Koopmansrekenen
- Tot jaren 80 het mechanistisch rekenen
- Vanaf jaren 90 het realistisch rekenen
- Verschillend didactisch uitgangspunt

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Taal & Rekenen mbo
Verschil RR en TR

<p><b>Mechanistisch</b></p> <ul style="list-style-type: none"> <li>Productgericht</li> <li>Kale sommen</li> <li>Oefenen</li> <li>Rijtjes sommen</li> </ul>	<p><b>Realistisch</b></p> <ul style="list-style-type: none"> <li>Procesgericht</li> <li>Contextrijke opgaven</li> <li>Oefenen, maar eerst begrijpen</li> <li>Rijtjes met hulpsommen</li> </ul>
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Taal & Rekenen mbo
Kolomsgewijs optellen  
Cijferend optellen

<p>• Kolomsgewijs</p> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><td>4</td><td>6</td><td>3</td><td></td></tr> <tr><td>3</td><td>8</td><td>2</td><td>+</td></tr> <tr><td>7</td><td>0</td><td>0</td><td></td></tr> <tr><td>1</td><td>4</td><td>0</td><td></td></tr> <tr><td></td><td></td><td>5</td><td></td></tr> <tr><td>8</td><td>4</td><td>5</td><td></td></tr> </table>	4	6	3		3	8	2	+	7	0	0		1	4	0				5		8	4	5		<p>• Cijferend</p> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><td></td><td></td><td></td><td></td><td>1</td><td></td></tr> <tr><td>4</td><td>6</td><td>3</td><td></td><td>4</td><td>6</td><td>3</td></tr> <tr><td>3</td><td>8</td><td>2</td><td>+</td><td>3</td><td>8</td><td>2</td><td>+</td></tr> <tr><td></td><td></td><td>5</td><td></td><td>8</td><td>4</td><td>5</td><td></td></tr> <tr><td>1</td><td>4</td><td>0</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td>5</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>7</td><td>0</td><td>0</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>8</td><td>4</td><td>5</td><td></td><td></td><td></td><td></td><td></td></tr> </table>					1		4	6	3		4	6	3	3	8	2	+	3	8	2	+			5		8	4	5		1	4	0								5						7	0	0						8	4	5					
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Taal & Rekenen mbo
Kolomsgewijs aftrekken  
Cijferend aftrekken

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Taal & Rekenen mbo
Kolomsgewijs vermenigvuldigen  
Cijferend vermenigvuldigen

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**STEUNPUNT**  
Taal & Rekenen mbo

## Kolomsgewijs delen Cijferend delen

- Kolomsgewijs
- Cijferend

1 6 / 3 8 4 \ 2 4	1 6 / 3 8 4 \ 2 4	1 6 / 3 8 4 \ 2 4
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2 2 4	6 4	6 4
1 6 0 10x	6 4 4x	6 4
6 4	0	0
1 6 1x		
4 8		
1 6 1x		
3 2		
3 2 2x		
0		

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## Tafels reconstructiedidactiek

4 X 6 = 24

11

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## Breuken

- Vermenigvuldigen
- Rechthoekmodel
- Delen
- Herhaald aftrekken

$$\frac{1}{3} \times \frac{1}{2} =$$

$$10 \div \frac{1}{2} =$$

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## Praktijkvoorbeelden

- Wanneer heb ik het nodig?
- Waarom heb ik het nodig?
- Wat heb ik nodig?

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## Wat vraagt dit van de docent?

- Kennis van de leerlijnen
- Kennis van de werkvloer
- Kennis van en vaardig in de RR-didactiek
- Kennis van verschillen TR en RR
- Kennis van en vaardig in diagnostiek en behandeling en juiste attitude

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