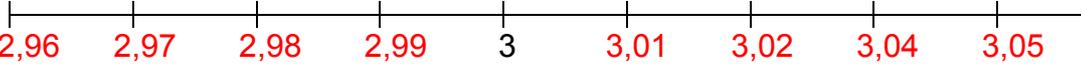
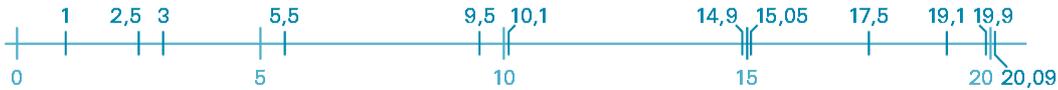


| 1. | <p>Rechne schriftlich(auf einem Zusatzblatt):</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; text-align: center;">a</td> <td style="width: 25%; text-align: center;">12,3 + 6,6</td> <td style="width: 25%; text-align: center;">c</td> <td style="width: 25%; text-align: center;">10,304 + 0,026</td> <td style="width: 25%; text-align: center;">e</td> <td style="width: 25%; text-align: center;">185,2 • 39,7</td> <td style="width: 25%; text-align: center;">g</td> <td style="width: 25%; text-align: center;">350 : 0,5</td> </tr> <tr> <td style="text-align: center;">b</td> <td style="text-align: center;">204,75 + 12,06</td> <td style="text-align: center;">d</td> <td style="text-align: center;">4,665 - 2,4</td> <td style="text-align: center;">f</td> <td style="text-align: center;">312,7 • 0,987</td> <td style="text-align: center;">h</td> <td style="text-align: center;">120 : 0,8</td> </tr> </table> <p>Lösung</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; text-align: center;">a</td> <td style="width: 25%;"></td> <td style="width: 25%; text-align: center;">c</td> <td style="width: 25%;"></td> <td style="width: 25%; text-align: center;">e</td> <td style="width: 25%;"></td> <td style="width: 25%; text-align: center;">g</td> <td style="width: 25%;"></td> </tr> <tr> <td style="text-align: center;">b</td> <td></td> <td style="text-align: center;">d</td> <td></td> <td style="text-align: center;">f</td> <td></td> <td style="text-align: center;">h</td> <td></td> </tr> </table> | a | 12,3 + 6,6 | c | 10,304 + 0,026 | e | 185,2 • 39,7 | g | 350 : 0,5 | b | 204,75 + 12,06 | d | 4,665 - 2,4 | f | 312,7 • 0,987 | h | 120 : 0,8 | a | | c | | e | | g | | b | | d | | f | | h | | Punkte (8P) | | | |
|-------------|--|-----------|----------------|---------------|----------------|---------------|--------------|----|-----------|---|----------------|---------|-------------|---|---------------|------|-------------|----|---|---------|---|-----------------------------|---------|---|----|---|-----|---|----|-------------|---|-----|---|----------------|---|-----|-------|
| a | 12,3 + 6,6 | c | 10,304 + 0,026 | e | 185,2 • 39,7 | g | 350 : 0,5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b | 204,75 + 12,06 | d | 4,665 - 2,4 | f | 312,7 • 0,987 | h | 120 : 0,8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a | | c | | e | | g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b | | d | | f | | h | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. | <p>Schreibe zuerst den Term auf, bevor du die Aufgabe löst.</p> <p>a. Addiere das Dreifache der Zahl 17 zum Produkt der Zahlen 17 und 71</p> <p>b. Subtrahiere den Quotienten der Zahlen 144 und 1,8 von ihrer Differenz.</p> | (4P) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. | <p>Verwandle in die verlangte Einheit:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">0,47 kg</td> <td style="width: 10%; text-align: center;">=</td> <td style="width: 25%;">g</td> <td style="width: 10%; text-align: center;">=</td> <td style="width: 25%;">999 g</td> <td style="width: 10%; text-align: center;">=</td> <td style="width: 25%;">kg</td> </tr> <tr> <td>355 m</td> <td style="text-align: center;">=</td> <td>dm</td> <td style="text-align: center;">=</td> <td>4 m 5 cm</td> <td style="text-align: center;">=</td> <td>m</td> </tr> <tr> <td>45 l</td> <td style="text-align: center;">=</td> <td>hl</td> <td style="text-align: center;">=</td> <td>14,5 dm</td> <td style="text-align: center;">=</td> <td>m</td> </tr> <tr> <td>3,25 cl</td> <td style="text-align: center;">=</td> <td>ml</td> <td style="text-align: center;">=</td> <td>9 l</td> <td style="text-align: center;">=</td> <td>hl</td> </tr> <tr> <td>10 h 10 min</td> <td style="text-align: center;">=</td> <td>min</td> <td style="text-align: center;">=</td> <td>2 h 2min</td> <td style="text-align: center;">=</td> <td>min</td> </tr> </table> | 0,47 kg | = | g | = | 999 g | = | kg | 355 m | = | dm | = | 4 m 5 cm | = | m | 45 l | = | hl | = | 14,5 dm | = | m | 3,25 cl | = | ml | = | 9 l | = | hl | 10 h 10 min | = | min | = | 2 h 2min | = | min | (5 P) |
| 0,47 kg | = | g | = | 999 g | = | kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 355 m | = | dm | = | 4 m 5 cm | = | m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 l | = | hl | = | 14,5 dm | = | m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3,25 cl | = | ml | = | 9 l | = | hl | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 h 10 min | = | min | = | 2 h 2min | = | min | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. | <p>Ordne folgende Werte der Grösse nach (beginne mit dem Kleinsten):</p> <p>a. 1,3 m $\frac{1}{4}$ m 2070 mm 12 dm $\frac{1}{100}$ km</p> <p>b. 17043 kg 17 t 450 kg 17 $\frac{1}{2}$ t 17,4 t 169004560 g</p> | (4 P) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. | <p>Runde:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;"></th> <th style="width: 25%;">auf Zehntel</th> <th style="width: 25%;">auf Einer</th> <th style="width: 25%;">auf Zehner</th> <th style="width: 25%;">auf Hunderter</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">5687,42</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">2938,15</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">35468,46001</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | | auf Zehntel | auf Einer | auf Zehner | auf Hunderter | 5687,42 | | | | | 2938,15 | | | | | 35468,46001 | | | | | (3P) (je $\frac{1}{4}$) | | | | | | | | | | | | | | | |
| | auf Zehntel | auf Einer | auf Zehner | auf Hunderter | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5687,42 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2938,15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35468,46001 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6. | <p>Eine Zahl soll auf Zehntel gerundet werden. Man erhält dabei 99,0. Wie gross muss / darf die Zahl</p> <p>a. mindestens, b. höchstens sein?</p> | (2P) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| 1. | <p>Rechne schriftlich(auf einem Zusatzblatt):</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">a</td><td style="width: 25%;">12,3 + 6,6</td> <td style="width: 25%;">c</td><td style="width: 25%;">10,304 + 0,026</td> <td style="width: 25%;">e</td><td style="width: 25%;">185,2 • 39,7</td> <td style="width: 25%;">g</td><td style="width: 25%;">350 : 0,5</td> </tr> <tr> <td>b</td><td>204,75 + 12,06</td> <td>d</td><td>4,665 - 2,4</td> <td>f</td><td>312,7 • 0,987</td> <td>h</td><td>120 : 0,8</td> </tr> </table> <p>Lösung</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>a</td><td>18.9</td> <td>c</td><td>10.33</td> <td>e</td><td>7'352.44</td> <td>g</td><td>700</td> </tr> <tr> <td>b</td><td>216.81</td> <td>d</td><td>2.265</td> <td>f</td><td>308.6349</td> <td>h</td><td>150</td> </tr> </table> <p>Je 1 Punkt</p> | a | 12,3 + 6,6 | c | 10,304 + 0,026 | e | 185,2 • 39,7 | g | 350 : 0,5 | b | 204,75 + 12,06 | d | 4,665 - 2,4 | f | 312,7 • 0,987 | h | 120 : 0,8 | a | 18.9 | c | 10.33 | e | 7'352.44 | g | 700 | b | 216.81 | d | 2.265 | f | 308.6349 | h | 150 | Punkte (8P) |
|-------------|--|-----------------|----------------|---------------|----------------|---------------|----------------|----------------|--------------|-----------------|----------------|---------|----------------|--------------|---------------|----------------|-------------|-----------------|---------------|---------------|---------------|----------------|----------|---|----------------|-------------|--------|---------------|----------|---|----------------|-------|-----|----------------|
| a | 12,3 + 6,6 | c | 10,304 + 0,026 | e | 185,2 • 39,7 | g | 350 : 0,5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b | 204,75 + 12,06 | d | 4,665 - 2,4 | f | 312,7 • 0,987 | h | 120 : 0,8 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a | 18.9 | c | 10.33 | e | 7'352.44 | g | 700 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b | 216.81 | d | 2.265 | f | 308.6349 | h | 150 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | <p>Schreibe zuerst den Term auf, bevor du die Aufgabe löst.</p> <p>Addiere das Dreifache der Zahl 17 zum Produkt der Zahlen 17 und 71 Term: 3*17 + 17 *71 (1 Punkt) Resultat: 1'258 (1 Punkt)</p> <p>Subtrahiere den Quotienten der Zahlen 144 und 1,8 von ihrer Differenz. Term: (144-1,8) – 144:1,8 (1 Punkt) Resultat: 62,2 (1 Punkt)</p> | (4P) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. | <p>Verwandle in die verlangte Einheit: Je ½ Pt.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">0,47 kg</td><td style="width: 5%;">=</td><td style="width: 25%;">470 g</td> <td style="width: 25%;">999 g</td><td style="width: 5%;">=</td><td style="width: 20%;">0.999kg</td> </tr> <tr> <td>355 m</td><td>=</td><td>3'550 dm</td> <td>4 m 5 cm</td><td>=</td><td>4.05 m</td> </tr> <tr> <td>45 l</td><td>=</td><td>0.45 hl</td> <td>14,5 dm</td><td>=</td><td>1.45 m</td> </tr> <tr> <td>3,25 cl</td><td>=</td><td>32.5 ml</td> <td>9 l</td><td>=</td><td>0.09 hl</td> </tr> <tr> <td>10 h 10 min</td><td>=</td><td>70 min</td> <td>2 h 2min</td><td>=</td><td>122 min</td> </tr> </table> | 0,47 kg | = | 470 g | 999 g | = | 0.999kg | 355 m | = | 3'550 dm | 4 m 5 cm | = | 4.05 m | 45 l | = | 0.45 hl | 14,5 dm | = | 1.45 m | 3,25 cl | = | 32.5 ml | 9 l | = | 0.09 hl | 10 h 10 min | = | 70 min | 2 h 2min | = | 122 min | (5 P) | | |
| 0,47 kg | = | 470 g | 999 g | = | 0.999kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 355 m | = | 3'550 dm | 4 m 5 cm | = | 4.05 m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 l | = | 0.45 hl | 14,5 dm | = | 1.45 m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3,25 cl | = | 32.5 ml | 9 l | = | 0.09 hl | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 h 10 min | = | 70 min | 2 h 2min | = | 122 min | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. | <p>Ordne folgende Werte der Grösse nach (beginne mit dem Kleinsten):</p> <p>a. 1,3 m $\frac{1}{4}$ m 2070 mm 12 dm $\frac{1}{100}$ km</p> <p>$\frac{1}{4}$ m < 12 dm < 1,3 m < 2070 mm < $\frac{1}{100}$ km ½ Pt pro richtiges „<“</p> <p>b. 17043 kg 17 t 450 kg 17 $\frac{1}{2}$ t 17,4 t 169004560 g</p> <p>17043 kg < 17,4 t < 17 t 450 kg < 17 $\frac{1}{2}$ t < 169004560 g ½ Pt pro richtiges „<“</p> | (4 P) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. | <p>Runde:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th><th>auf Zehntel</th><th>auf Einer</th><th>auf Zehner</th><th>auf Hunderter</th></tr> </thead> <tbody> <tr> <td>5687,42</td><td>5'687.4</td><td>5'687</td><td>5'690</td><td>5'700</td></tr> <tr> <td>2938,15</td><td>2'938.2</td><td>2'938</td><td>2'940</td><td>3'000</td></tr> <tr> <td>35468,46001</td><td>35'468.5</td><td>35'468</td><td>35'470</td><td>35'500</td></tr> </tbody> </table> <p>Je ¼ Pt</p> | | auf Zehntel | auf Einer | auf Zehner | auf Hunderter | 5687,42 | 5'687.4 | 5'687 | 5'690 | 5'700 | 2938,15 | 2'938.2 | 2'938 | 2'940 | 3'000 | 35468,46001 | 35'468.5 | 35'468 | 35'470 | 35'500 | (3P) (je ¼) | | | | | | | | | | | | |
| | auf Zehntel | auf Einer | auf Zehner | auf Hunderter | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5687,42 | 5'687.4 | 5'687 | 5'690 | 5'700 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2938,15 | 2'938.2 | 2'938 | 2'940 | 3'000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35468,46001 | 35'468.5 | 35'468 | 35'470 | 35'500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | |
|------------------------------------|---|------------------------------------|---|-----------------------------------|--|---------------------------|--------------------------------|---------------------------|--------------------------------|------|-------|------|-------|------|
| 6. | <p>Eine Zahl soll auf Zehntel gerundet werden. Man erhält dabei 99,0. Wie gross muss / darf die Zahl</p> <p>a. mindestens, 98,95 (1Pt) b. höchstens sein? 99,04 (1 Pt)</p> | (2P) | | | | | | | | | | | | |
| 7. | <p>Zähle in Hundertstelschritten vorwärts und rückwärts.</p>  <p>Je $\frac{1}{4}$ Pt</p> | (2P) | | | | | | | | | | | | |
| 8. | <p>Zahlenstrahl</p> <p>Zeichne einen Zahlenstrahl und markiere am richtigen Ort:</p> <table border="1" data-bbox="288 611 1350 640"> <tr> <td>1</td> <td>2,5</td> <td>3</td> <td>5,5</td> <td>9,5</td> <td>10,1</td> <td>14,9</td> <td>15,05</td> <td>17,5</td> <td>19,1</td> <td>19,9</td> <td>20,09</td> </tr> </table>  <p>Je $\frac{1}{4}$ Pt</p> | 1 | 2,5 | 3 | 5,5 | 9,5 | 10,1 | 14,9 | 15,05 | 17,5 | 19,1 | 19,9 | 20,09 | (3P) |
| 1 | 2,5 | 3 | 5,5 | 9,5 | 10,1 | 14,9 | 15,05 | 17,5 | 19,1 | 19,9 | 20,09 | | | |
| 9. | <p>Schreibe als Dezimalbruch.</p> <table border="0" data-bbox="288 931 1302 1151"> <tr> <td>A $4h + 1t$ <u>0,041</u></td> <td>B $5z + 4h + 3t$ <u>0,543</u></td> <td>C $2z - 2h$ <u>0,18</u></td> <td>D $1z - 1z - 1h$ <u>9,89</u></td> </tr> <tr> <td>$4Z + 1h$ <u>40,01</u></td> <td>$5E + 5z + 5t$ <u>5,505</u></td> <td>$2z - 2t$ <u>0,198</u></td> <td>$1E - 2z - 1t$ <u>0,799</u></td> </tr> </table> <p>Je $\frac{1}{2}$ Pt</p> | A $4h + 1t$ <u>0,041</u> | B $5z + 4h + 3t$ <u>0,543</u> | C $2z - 2h$ <u>0,18</u> | D $1z - 1z - 1h$ <u>9,89</u> | $4Z + 1h$ <u>40,01</u> | $5E + 5z + 5t$ <u>5,505</u> | $2z - 2t$ <u>0,198</u> | $1E - 2z - 1t$ <u>0,799</u> | (4P) | | | | |
| A $4h + 1t$ <u>0,041</u> | B $5z + 4h + 3t$ <u>0,543</u> | C $2z - 2h$ <u>0,18</u> | D $1z - 1z - 1h$ <u>9,89</u> | | | | | | | | | | | |
| $4Z + 1h$ <u>40,01</u> | $5E + 5z + 5t$ <u>5,505</u> | $2z - 2t$ <u>0,198</u> | $1E - 2z - 1t$ <u>0,799</u> | | | | | | | | | | | |
| 10. | <p>Berechne und gib Zwischenresultate an:</p> <p>a) $(4 \cdot 12 + 8) : 7 =$ $(48 + 8) : 7 = 56 : 7 = 8$</p> <p>b) $(40 + 80) : 8 - 3 =$ $120 : 8 - 3 = 15 - 3 = 12$</p> <p>c) $5 \cdot (16 - 2) \cdot 3 =$ $5 \cdot 14 \cdot 20 = 210$</p> <p>Je 1 Pt</p> | (3 P) | | | | | | | | | | | | |
| 11. | <p>Setze bei der folgenden Aufgabe <u>ein</u> Klammerpaar so, dass das Resultat besonders</p> <p>a. gross, $(28 + 8) \cdot 15 - 12 = 528$ b. klein wird! $28 + 8 \cdot (15 - 12) = 52$</p> <p>je 1 Pt für die Klammern und je 1 Pt für das Resultat Berechne anschliessend!</p> | (4P) | | | | | | | | | | | | |