

Lösungen

| | | | | | | | | | | | | | | | | | | | | | |
|--|---|-------------------------------------|-----------------|----------|--------------|---|----|--------------|----|------------------|---------------|--------|------------------|------------------------------|---|------|-----------------|--------------------|---|------------------|--|
| 1. a) $\frac{1}{10}$ b) $\frac{13}{10}$ c) 23 | 2. a) $\frac{3}{2}$ b) $a : b : c - d + e + f - g$ | | | | | | | | | | | | | | | | | | | | |
| 3. <table border="1" data-bbox="225 689 684 837"> <tbody> <tr> <td>8</td> <td>$\sqrt{66}$</td> <td>9</td> </tr> <tr> <td>13</td> <td>$\sqrt{195}$</td> <td>14</td> </tr> <tr> <td>25</td> <td>$\sqrt{638}$</td> <td>26</td> </tr> <tr> <td>99</td> <td>$\sqrt{9948}$</td> <td>100</td> </tr> </tbody> </table> | 8 | $\sqrt{66}$ | 9 | 13 | $\sqrt{195}$ | 14 | 25 | $\sqrt{638}$ | 26 | 99 | $\sqrt{9948}$ | 100 | 4. a) -33 b) 7 | | | | | | | | |
| 8 | $\sqrt{66}$ | 9 | | | | | | | | | | | | | | | | | | | |
| 13 | $\sqrt{195}$ | 14 | | | | | | | | | | | | | | | | | | | |
| 25 | $\sqrt{638}$ | 26 | | | | | | | | | | | | | | | | | | | |
| 99 | $\sqrt{9948}$ | 100 | | | | | | | | | | | | | | | | | | | |
| 5. -13 | 6. 20'000CHF | | | | | | | | | | | | | | | | | | | | |
| 7. Term Nr.5 für Gruppe 1 und Term Nr.3 für Gruppe 2 | 8. a) 129; -112; 17; -95; -78 b) $12a - 5b$; $-7a + 3b$; $5a - 2b$; $-2a + b$; $3a - b$ | | | | | | | | | | | | | | | | | | | | |
| 9. a) 131 b) -40 | 10. a) 4 b) 10 c) $\frac{3}{5}$ | | | | | | | | | | | | | | | | | | | | |
| 11. a) $\frac{9}{51} = \frac{3}{17}$ b) $\frac{4}{51}$ c) 0 d) $\frac{7}{51}$ e) $\frac{42}{51} = \frac{14}{17}$ | 12. <table border="1" data-bbox="815 1216 1485 1682"> <tbody> <tr> <td>$15'000 \text{ kg} + 750 \text{ g}$</td> <td>=</td> <td>15.00075</td> <td>t</td> </tr> <tr> <td>$5 \text{ km } 15 \text{ dm } 357 \text{ mm}$</td> <td>=</td> <td>5001.857</td> <td>m</td> </tr> <tr> <td>1.5 ha</td> <td>=</td> <td>15'000</td> <td>m²</td> </tr> <tr> <td>$5 \text{ l } 30 \text{ ml}$</td> <td>=</td> <td>5030</td> <td>cm³</td> </tr> <tr> <td>$38'754 \text{ s}$</td> <td>=</td> <td>10 h 45 min 54 s</td> <td></td> </tr> </tbody> </table> | $15'000 \text{ kg} + 750 \text{ g}$ | = | 15.00075 | t | $5 \text{ km } 15 \text{ dm } 357 \text{ mm}$ | = | 5001.857 | m | 1.5 ha | = | 15'000 | m ² | $5 \text{ l } 30 \text{ ml}$ | = | 5030 | cm ³ | $38'754 \text{ s}$ | = | 10 h 45 min 54 s | |
| $15'000 \text{ kg} + 750 \text{ g}$ | = | 15.00075 | t | | | | | | | | | | | | | | | | | | |
| $5 \text{ km } 15 \text{ dm } 357 \text{ mm}$ | = | 5001.857 | m | | | | | | | | | | | | | | | | | | |
| 1.5 ha | = | 15'000 | m ² | | | | | | | | | | | | | | | | | | |
| $5 \text{ l } 30 \text{ ml}$ | = | 5030 | cm ³ | | | | | | | | | | | | | | | | | | |
| $38'754 \text{ s}$ | = | 10 h 45 min 54 s | | | | | | | | | | | | | | | | | | | |