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| LZK 6.8 | Anteile / Brüche und RechnungenProzente / Zahlen untersuchen | 40 min | Name: ............................................. |
| Grundanforderungen | 1. Bestimme die Anteile.

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| $\frac{1}{2}$ von 6000 = ..........$\frac{1}{5}$ von 6000 = .......... | $\frac{1}{4}$ von 1200 = ..........$ \frac{1}{3}$ von 1200 = .......... | $\frac{1}{5}$ von 4.5 = ..........$ \frac{1}{4}$ von 2.8 = .......... | $\frac{5}{6} $von 0.24 = ..........$\frac{2}{5}$ von 0.4 = .......... |

 | 2 p. |
| 1. Bestimme das Ganze.

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| $\frac{1}{3}$ von ..........= 6$\frac{1}{4}$ von ..........= 8 | $\frac{1}{3}$ von ..........= 9$\frac{1}{5}$ von ..........= 4 | $\frac{1}{6}$ von ..........= 2$\frac{2}{5}$ von ..........= 20 | $\frac{3}{6}$ von ..........= 6$\frac{3}{4}$ von ..........= 12 |

 | 2 P. |
| 1. Bestimme die Anteile. Schreibe das Resultat **als Bruch** auf.

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|  die Hälfte von $\frac{1}{2}$ = .…... |  die Hälfte von $\frac{1}{4}$ = .…... |  ein Viertel von $\frac{1}{2}$ = .…... |
|  ein Drittel von $\frac{1}{2}$ = .…... |  ein Drittel von $\frac{1}{5}$ = $ $ .…... |  ein Viertel von $\frac{1}{4}$ = .…... |

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 | 3 P. |
| Grundanforderungen | 1. Schreibe das Resultat als **Bruch** auf und **kürze** soweit wie möglich.

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| $\frac{1}{4}$ + $\frac{1}{2}$ =  | ……. |  | $\frac{2}{3}$ + $\frac{1}{6}$ = | ……. |  | $\frac{2}{4}$ + $\frac{2}{9}$ = | ……. |
| $\frac{3}{4}$ – $\frac{3}{10}$ = | ……. |  | $\frac{7}{8}$ – $\frac{1}{2}$ = | ……. |  | $\frac{2}{3}$ – $\frac{3}{7}$ = | ……. |

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 | 3 P. |
| 1. Schreibe das Resultat als **Bruch** auf und **kürze** so weit wie möglich.

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| 3 ⋅ $\frac{1}{12}$ =  | ……. |  | 4 ⋅ $\frac{3}{6}$ = | ……. |  |  5 ⋅ $\frac{2}{16}$ = | ……. |
| $\frac{1}{2}$ : 3 = | ……. |  | $\frac{12}{16}$ : 2 = | ……. |  | $\frac{2}{3}$ : 4 = | ……. |

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 | 3 P. |
| 1. Ergänze die fehlenden Werte.

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| **Prozentzahl** | **Bruch mit dem Nenner 100** | **gekürzter Bruch** | **Dezimalzahl** |
| 20 % |  |  |  |
|  |  | $$\frac{1}{4} $$ |  |

 | 2 P. |
| Grundanforderungen | 1. Bestimme die Anteile.

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| 50 % von 60 = ........50 % von 20 = ........ | 25 % von 12 = ........25 % von 40 = ........ | 20 % von 10 = ........40 % von 20 = ........ | 75 % von 12 = ........ 5 % von 50 = ........ |

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 | 2 P. |
| 1. Zerlege in Primfaktoren.

 **80** **124**

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 | 2 P. |
| erweiterte Anforderungen erhöhte Anforderungen |

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| 4 ⋅ 2 $\frac{3}{5}$ =  | ………. |  | $\frac{14}{3}$ – $2\frac{3}{5}$ = | ………. |
|  2$ \frac{1}{3}$ + 1 $\frac{1}{4}$ = | ………. |  | 3 $\frac{1}{8}$ : 2 = | ………. |

1. Schreibe das Resultat als Bruch oder als gemischte Zahl auf. Kürze so weit wie möglich.

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 | 2 P. |
| erweiterte Anforderungen |

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| $\frac{1}{2}$ ⋅ $\frac{1}{3}$ =  | ……… |  | $\frac{3}{4}$ ⋅ $\frac{3}{4}$ = | ……… |

1. Berechne.

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 | 1 P. |
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| 15 % von 50 =  | …………. |  | 60 % von 0.8 = | …………. |
|  150 % von 80 = | …………. |  | 30 % von 50 % = | …………. |

1. Bestimme den Anteil.

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  | 2 P. |
| 1. Schreibe ohne Hochzahl. Die Zahl schreibst du **als Wort**.

*zum Beispiel: 104 =Zehntausend* 109 = ............................................................................................................................... 1011 = .............................................................................................................................. 36 ⋅ 105 = ........................................................................................................................ 74 ⋅ 107 = ........................................................................................................................ | 1 P. |
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