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| Sachaufgaben Gewicht 1 | Lernraum |
| Gewicht und Sachrechnen |

* Ich kann Sachrechnungen mit Gewichtsangaben lösen.

Löse die Sachaufgaben indem du die **Rechnung** und einen **Antwortsatz** aufschreibst.

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| C:\Users\Mario\Downloads\39975.jpg C:\Users\Mario\AppData\Local\Temp\screenshots\screenshot_11.png  Ein beladener Lastwagen möchte über diese Brücke fahren.  Der Fahrer weiss, dass sein Fahrzeug ein Leergewicht von 7 t hat. Er hat 100 Zementsäcke à 50 kg geladen.  Wie viele Zementsäcke muss er abladen, damit er über die Brücke darf? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| Richard wiegt 32,6kg, Peter ist 4 kg schwerer.  C:\Users\Mario\AppData\Local\Temp\screenshots\screenshot_14.pngC:\Users\Mario\AppData\Local\Temp\screenshots\screenshot_13.pngWieviel wiegen beide zusammen? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| Ein kleines Transport-flugzeug kann maximal 2,5t Fracht transportieren.  C:\Users\Mario\AppData\Local\Temp\screenshots\screenshot_16.pngDer Zoo in Zürich soll zwei Elefanten und fünf Gorillas  erhalten.  Die Elefanten Maja und Mia haben eine Masse von je 700kg. Bei den Gorillas zeigt die Waage ca. 300kg an.  C:\Users\Mario\AppData\Local\Temp\screenshots\screenshot_15.pngDürfen alle Tiere gleichzeitig mit dem Flugzeug nach Zürich  fliegen? Begründe deine Entscheidung! | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |

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| Sachaufgaben Gewicht 1 | Lernraum |
| Gewicht und Sachrechnen |

* Ich kann Sachrechnungen mit Gewichtsangaben lösen.

**Lösung**

Löse die Sachaufgaben indem du die **Rechnung** und einen **Antwortsatz** aufschreibst.

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| C:\Users\Mario\Downloads\39975.jpg C:\Users\Mario\AppData\Local\Temp\screenshots\screenshot_11.png  Ein beladener Lastwagen möchte über diese Brücke fahren.  Der Fahrer weiss, dass sein Fahrzeug ein Leergewicht von 7 t hat. Er hat 100 Zementsäcke à 50 kg geladen.  Wie viele Zementsäcke muss er abladen, damit er über die Brücke darf? | 100 x 50 kg = 5000 kg  7 t = 7000 kg 10 t = 10‘000 kg  Gesamtgewicht: 7000 kg + 5000 kg = 12‘000 kg  zu viel: 12‘000 kg – 10‘000 kg = 2000 kg  2000 kg : 50 kg = 40 Säcke  Antwort: Er muss 40 Säcke abladen. |
| Richard wiegt 32,6kg, Peter ist 4 kg schwerer.  C:\Users\Mario\AppData\Local\Temp\screenshots\screenshot_13.pngC:\Users\Mario\AppData\Local\Temp\screenshots\screenshot_14.pngWieviel wiegen beide zusammen? | Peter: 32,6 kg + 4 kg = 36,6 kg   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | 3 | 2, | 6 | kg | | + | 3 | 6, | 6 | kg | |  |  | 1 |  |  | |  |  |  |  |  | |  | 6 | 9, | 2 | kg | |  |  |  |  |  | |  |  |  |  |  |   Antwort: Beide zusammen wiegen 69,2 kg |
| Ein kleines Transport-flugzeug kann maximal 2,5t Fracht transportieren.  Der Zoo in Zürich soll zwei Elefanten und fünf Gorillas  erhalten.  Die Elefanten Maja und Mia haben eine Masse von je 700kg. Bei den Gorillas zeigt die Waage ca. 300kg an.  C:\Users\Mario\AppData\Local\Temp\screenshots\screenshot_15.pngDürfen alle Tiere gleichzeitig mit dem Flugzeug nach Zürich  C:\Users\Mario\AppData\Local\Temp\screenshots\screenshot_16.pngfliegen? Begründe deine Entscheidung! | Elefanten: 2 x 700 kg = 1400 kg  Gorillas: 5 x 300 kg = 1500 kg  2,5 t = 2500 kg  1400 kg + 1500 kg = 2900 kg  Antwort: Nein, alle zusammen wären 400 kg zu schwer. |

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| Sachaufgaben Gewicht 2 | Lernraum |
| Gewicht und Sachrechnen |

* Ich kann Sachrechnungen mit Gewichtsangaben lösen.

Löse die Sachaufgaben indem du die **Rechnung** und einen **Antwortsatz** aufschreibst.

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| Drei Affen fressen jeden Monat (4 Wochen) 600 kg Bananen.  C:\Users\Mario\AppData\Local\Temp\screenshots\screenshot_16.pngWie viel frisst ein Affe in einer Woche? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| Eine Seilbahn-Kabine darf maximal 450 kg transportieren.  http://dbimg.eu/i/gi72edae.jpgPro Person wird mit 80 kg gerechnet.  Es sind schon 3 Personen eingestiegen.  Wie viele Personen dürfen noch einsteigen? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| Im Hafen von Rotterdam wird das Frachtschiff „Beluga“ beladen.  Es kann 3000 t Ladung aufnehmen.  C:\Users\Mario\AppData\Local\Temp\screenshots\screenshot_21.pngBereits wurden 50 Container zu je 20 t aufgeladen.  Wie viele 20 t-Container haben auf dem Schiff noch Platz?  C:\Users\Mario\AppData\Local\Temp\screenshots\screenshot_17.png | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |

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| Sachaufgaben Gewicht 2 | Lernraum |
| Gewicht und Sachrechnen |

**Lösung**

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| --- | --- |
| Drei Affen fressen jeden Monat (4 Wochen) 600 kg Bananen.  C:\Users\Mario\AppData\Local\Temp\screenshots\screenshot_16.pngWie viel frisst ein Affe in einer Woche? | ein Affe pro Monat: 600 kg : 3 = 200 kg  pro Woche: 200 kg : 4 = 50 kg  Antwort: Ein Affe frisst 50 kg Bananen pro Woche. |
| Eine Seilbahn-Kabine darf maximal 450 kg transportieren.  Pro Person wird mit 80 kg gerechnet.  http://dbimg.eu/i/gi72edae.jpgEs sind schon 3 Personen eingestiegen.  Wie viele Personen dürfen noch einsteigen? | 3 Personen: 3 x 80 kg = 240 kg  noch zur Verfügung: 450 kg – 240 kg= 210 kg  210 kg : 80 kg = 2 (Rest: 50 kg)  Antwort: Es dürfen noch 2 Personen einsteigen. |
| Im Hafen von Rotterdam wird das Frachtschiff „Beluga“ beladen.  Es kann 3000 t Ladung aufnehmen.  C:\Users\Mario\AppData\Local\Temp\screenshots\screenshot_21.pngBereits wurden 50 Container zu je 20 t aufgeladen.  Wie viele 20 t-Container haben auf dem Schiff noch Platz?  C:\Users\Mario\AppData\Local\Temp\screenshots\screenshot_17.png | 50 Container x 20 t = 1000 t  3000 t – 1000 t = 2000 t  2000 t : 20 t = 100  Antwort: Es haben noch 100 Container Platz. |

[*online lernen auf iLern.ch*](online%20lernen%20auf%20iLern.ch)Bild-Quelle: <http://bilder.tibs.at/>