# Lernkontrolle 3 / 4. Schuljahr / Aufgabenangebot

# Thema: Grundoperationen im Millionraum, Sachsituationen, Geometrie

# Kontrollaufgaben ZB 4: S. 40 - 56

# UNBEDINGT AUFGABENAUSWAHL TREFFEN

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| **1.** | **Arithmetik: Schriftliche Addition und Subtraktion** | **S. 40 / 42** | **O/B** |

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| Schreibe stellengerecht untereinander und rechne aus. 1. 2 412 + 1 251 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ c. 3 663 – 2 412 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. 3 587 + 2 749 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ d. 6 336 – 2 749 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_
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| **2.** | **Arithmetik: Schriftliche Addition** | **S. 40** | **O/B** |

Bilde mit den 10 Ziffernkarten zwei fünfstellige Zahlen und addiere sie.

1. Finde eine möglichst grosse Summe.
2. Finde eine möglichst kleine Summe.
3. Beschreibe dein Vorgehen

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| **3.** | **Arithmetik: Schriftliche Addition** | **S. 42** | **E/A** |

Bilde mit den 10 Ziffernkarten zwei fünfstellige Zahlen und addiere sie.

Finde eine Summe möglichst nahe bei 80 000.

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| **4.** | **Arithmetik: Schriftliche Subtraktion** | **S. 42** | **E/A** |

Bilde mit den 10 Ziffernkarten zwei fünfstellige Zahlen und subtrahiere sie.

1. Finde eine möglichst grosse Differenz.
2. Finde eine möglichst kleine Differenz.
3. Beschreibe dein Vorgehen

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| **5.** | **Arithmetik: Schriftliche Subtraktion** | **S. 42** | **E/A** |

Bilde mit den 10 Ziffernkarten zwei fünfstellige Zahlen und subtrahiere sie.

Finde eine Differenz möglichst nahe bei 50 000.

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| **6.** | **Sachrechnen: Gewichte** | **S. 45** | **M/D** |

Berechne das Gesamtgewicht, das Leergewicht oder das Gewicht der Ladung.

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| Gesamtgewicht | Leergewicht | Ladung |
| 45 600 kg | 15 200 kg |  |
|  |  3 540 kg | 12 300 kg |
| 38 200 kg |  | 25 800 kg |

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| **7.** | **Sachrechnen: Gewichte schätzen** | **S. 44** | **M/D** |

1. Ordne die Gewichtsangabe dem richtigen Fahrzeug zu. Verbinde die Paare.

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| Linienbus | engelberg_rotair_DW_514294g | volkswagen_golf_v_speed_sei | SBB_E460 | bmw_bike_2 |
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| 123 t | 7 t | 12 300 kg | 12 kg | 1 t 200 kg |

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| **8.** | **Sachrechnen: Gewichte schätzen** | **S. 44** | **M/D** |

Ein Lastwagen wiegt leer 4t und 300 kg. Er wird mit 180 Zementsäcken zu je 25 kg beladen.
Wie schwer ist der beladene Lastwagen?

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| **9.** | **Sachrechnen: Gewichte**  | **S. 44** | **M/D** |

Aus Sicherheitsgründen darf ein Lift höchstens mit 450 kg beladen werden.

Wie schwer darf eine Person sein, wenn 6 Personen Platz haben?

Schreibe deine Überlegungen auf.

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| **10.** | **Sachrechnen: Sachrechnen im Kopf** | **S. 48** | **M/D** |



Giesse immer 2 Liter mit den Gefässen zusammen. Z.B. 500 ml + 500 ml + 500 ml + 500 ml.

Mache 4 verschiedene neue Beispiele.

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| **11.** | **Sachrechnen: Sachrechnen im Kopf** | **S. 49 / 58** | **M/D** |

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| magic_tasse | magic_tassemagic_tassemagic_tassemagic_tasse |  | kinderschokolade_madchen | d5_1_b |
| 1 Tasse Milch250 ml | 4 Tassen Milch \_\_\_\_\_\_ ml |  | 1 Packung8 Riegel.  | \_\_\_\_\_ Packungen 160 Riegel.  |

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| **12.** | **Sachrechnen: Sachrechnen im Kopf** | **S. 49 / 58** | **O/B** |

4800 Eier in 6er Kartons. Wie viele Kartons?

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200er Note in 2 Fränkler. Wie viele Geldstücke?

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1000 Note in Fünfliber. Wie viele Geldstücke?

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| **13.** | **Geometrie: Geobrett** | **S. 50 / 51** | **M/D** |

Zeichne fünf verschiedene Figuren mit einem Flächeninhalt von 4 Häuschen.

Das Beispiel hat einen Flächeninhalt von 3 Häuschen.

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| **14.** | **Geometrie: Geobrett** | **S. 50 / 51** | **M/D** |

Zeichne zwei Figuren mit 3,5 und zwei Figuren mit 5,5 Häuschen Flächeninhalt.

Das Beispiel hat einen Flächeninhalt von 3 Häuschen.

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| **15.** | **Arithmetik: Malaufgaben** | **S. 52 / 53** | **O/B** |

Ergänze die Zahlenhäuser immer mit 6 Malaufgaben verschiedenen Malaufgaben.

(ohne Tauschaufgaben 🡪 9 x 300 und 300 x 9 zählt nur einmal)

2‘400

 240’000

 720’000

7‘200

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| **16.** | **Arithmetik/Sachrechnen: Multiplikation** | **S. 54** | **M/D** |

Ein Spatz macht pro Sekunde 12 Flügelschläge. Wie viele Flügelschläge sind das in 5 Minuten?

Schreibe deine Rechnung auf.

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| **17.** | **Arithmetik/Sachrechnen: Multiplikation** | **S. 54** | **M/D** |

Ein Elefantenherz schlägt etwa 24-mal pro Minute. Wie oft schlägt es an einem Tag?

Schreibe deine Rechnung auf.

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| **18.** | **Arithmetik: Divisionsaufgaben** | **S. 55 - 57** | **O/B** |

Ergänze möglichst viele Divisionsaufgaben.

48 000 : 4 = \_\_\_\_\_\_\_\_ 48 000 : 12 = \_\_\_\_\_\_\_\_ 480 000 : \_\_\_ = \_\_\_\_\_\_\_\_

48 000 : 400 = \_\_\_\_\_\_\_\_ 48 000 : 120 = \_\_\_\_\_\_\_\_ 480 000 : \_\_\_ = \_\_\_\_\_\_\_\_

48 000 : 800 = \_\_\_\_\_\_\_\_ 48 000 : \_\_\_ = \_\_\_\_\_\_\_\_ 480 000 : \_\_\_ = \_\_\_\_\_\_\_\_

48 000 : \_\_\_ = \_\_\_\_\_\_\_\_ 48 000 : \_\_\_ = \_\_\_\_\_\_\_\_ 480 000 : \_\_\_ = \_\_\_\_\_\_\_\_

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| **19.** | **Arithmetik: Halbschriftliche Division**  | **S. 56** | **O/B** |

Rechne und schreibe deinen Rechenweg auf.

480 : 4 = \_\_\_\_\_ 192 : 3 = \_\_\_\_\_\_

488 : 4 = \_\_\_\_\_ 198 : 3 = \_\_\_\_\_\_

480 : 8 =\_\_\_\_\_ 192 : 6 = \_\_\_\_\_\_

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| **20.** | **Arithmetik: Schätzen** | **div.** | **O/B** |

Ordne die Rechnungen nach der Grösse ihrer Ergebnisse. Bezeichne das kleinste Ergebnis mit 1, das grösste mit 4.

a. b.

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|  |  340 + 600 |  |  | 3400 + 6000 |
|  |  600 – 34 |  |  |  340 + 600 |
|  | 6000 – 340 + 34 |  |  | 6000 : 34 |