**Aufgaben - Geschwindigkeit**

**Hinweis:**

In den Klausuren wird es Punkte für

**a)** eine nachvollziehbare Rechnung (nicht nur Ergebnis des Taschenrechners hinschreiben!),

**b)** einen Antwortsatz

**c)** und korrekte Einheiten (m (Meter), s (Sekunde), kg (Kilogramm) usw. nicht vergessen bei den Rechnungen!)

geben.

Denkt von Beginn an, diese bei jeder Aufgabe mit anzugeben!

**Aufgabe 1**

Um eine 5 m hohe Kletterstange zu erklimmen, benötigt Tim 7 s. Wie groß ist Tim´s durchschnittliche Klettergeschwindigkeit?

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**Aufgabe 2**

Eine Läuferin rennt mit einer Geschwindigkeit von 4,5 m/s. Wie lange benötigt sie, um eine 1 km lange Strecke zurückzulegen?

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**Aufgabe 3**

Rechne um:

a) 1 m/s in km/h und b) 1 km/h in m/s.

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**Aufgaben – Gleichförmige Bewegungen**

**Aufgabe 1**

Für ein Auto werden Wege und Zeiten gemessen. Die Messwerte sind im Diagramm dargestellt.



**a)** Interpretiere das Diagramm!

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**b)** Berechne aus verschiedenen Wertepaaren die Geschwindigkeit des Autos.

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**c)** Zeichne das Geschwindigkeit-Zeit-Diagramm.

