**VAJE ZA UTRJEVANJE ZNANJA**

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1. **Razmisli! *Obkroži DA ali NE.***

A : Avto, ki vozi s hitrostjo 35je hitrejši od avta, ki vozi s hitrostjo 120 ? DA NE

B: Avto, ki vozi s hitrostjo 90 v pol ure prevozi 45 km. DA NE

C: Kolesar, ki v 15 minutah prevozi 5 km kolesari s povprečno hitrostjo 10 DA NE

1. **Motorist prevozi v pol ure 45 km dolgo pot. Giblje se premo enakomerno.**

a) S kolikšno hitrostjo se giblje? Hitrost je \_\_\_\_\_\_  = \_\_\_\_\_\_ .

b) V kolikšnem času prevozi 72 km? *t* = \_\_\_\_\_\_

1. **Vozilo se giblje premo enakomerno s hitrostjo 5 m/s. Dopolni tabelo.**

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| --- | --- | --- | --- | --- |
| Čas [s] | 1 | 2 | 5 |  |
| Pot [m] |  |  |  | 120 |

1. **Letalo med vzletom v 8 s prevozi 0,5 km dolgo pot. Kolikšna je njegova povprečna hitrost?**
2. **Miha se je odpravil na potovanje. Prvih 45 min je vozil s hitrostjo 72 km/h, nato je pol ure vozil s hitrostjo 30 m/s, zadnjih 90 minut pa je vozil s hitrostjo 126 km/h.**
3. Koliko časa je vozil?
4. Kolikšno pot je prevozil?
5. Kolikšna je bila njegova povprečna hitrost?
6. **Luka in Špela sta tekla. Narisana sta grafa njunega gibanja (svetla – Špela, temna – Luka).**

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| 1. Kako oddaljena sta bila drug od drugega, ko sta začela teči? \_\_\_\_\_\_\_\_ 2. Koliko časa je tekla Špela? \_\_\_\_\_\_\_\_ 3. Po koliko metrih je Luka ujel Špelo? \_\_\_\_\_\_ 4. S kolikšno hitrostjo je tekel Luka? \_\_\_\_\_\_ | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **s** [**m**] | |  | |  | |  | |  | |  | |  | |  | | |  |  |  | |  | |  | |  | |  | |  | |  | | | 80 | |  |  | |  | |  | |  | |  | |  | |  | | | 60 | |  |  | |  | |  | |  | |  | |  | |  | | | 40 | |  |  | |  | |  | |  | |  | |  | |  | | | 20 | |  |  | |  | |  | |  | |  | |  | |  | | |  | |  | **0** |  | 4 | | 8 | | 12 | | 16 | | 20 | | 24 | | **t** [**s**] | | |

**7. Marko je od šole oddaljen 1500 m navadno to pot prehodi v času 19 min. Dobljene rezultate zapiši na eno decimalno mesto natančno.**

Razdalja do šole v kilometrih je s =  m. Za to razdaljo potrebuje čas t=  h.

Njegova povprečna hitrost hoje je v =  km/h, kar ustreza v =  m/s.