

Výukový materiál zpracovaný v rámci operačního programu Vzdělávání pro konkurenceschopnost



INVESTICE DO ROZVOJE VZDĚLÁVÁNÍ

Registrační číslo: CZ.1.07/1. 5.00/34.0084

Šablona: II/2 Inovace a zkvalitnění výuky cizích jazyků na středních školách

Sada: 2 AJ

Číslo: VY_22_INOVACE_PRO_1ROC_04

Technical English



Předmět:	Anglický jazyk
Ročník:	1.NP
Klíčová slova:	length, weight, width
Jméno autora:	Mgr. Jolana Čechová
Adresa školy:	Střední škola zemědělská, Osmek 47 750 11 Přerov

Technical English

weights and measures
(váhy a míry)

Technical English

Weight

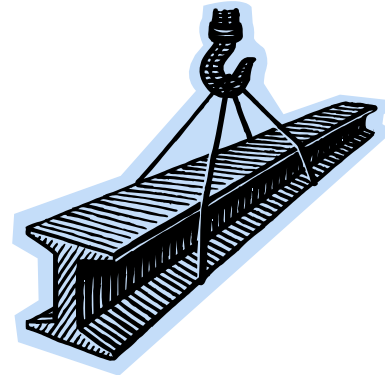
CR=metric= g, kg, q, t

UK=non-metric= oz, lb, t

1 ounce (unce)=28.35g

1 pound (libra)=0.454kg

1 tonne (tuna)=1000kg



- This rail is very heavy.
- It weights more than 200kg (441lb)

Technical English

Length and width

CR=metric= mm,cm,m,km

UK=non-metric= in, ft,yd, m

1 inch (palec) = 2.54cm

1 foot (stopa) = 30.48cm

1 yard (yard) = 0.9144m

1 mile (míle) = 1.609km



- This river is 100 km (62.14m) long and 10 m (32.1ft) wide.

Technical English

Height and depth

CR=metric= mm,cm,m,km

UK=non-metric= in, ft, yd

1 inch (palec) = 2.54cm

1 foot (stopa) = 30.48cm

1 yard (yard) = 0.9144m



- This cupboard is 60 cm (1.96 ft) high and 20 cm (7.87 in) deep.

Technical English

Surface=Obsah (plocha)

CR=metric= cm^2 , m^2 , ha, km^2

UK=non-metric=sq in,

sq ft, sq yd, acre, sq m

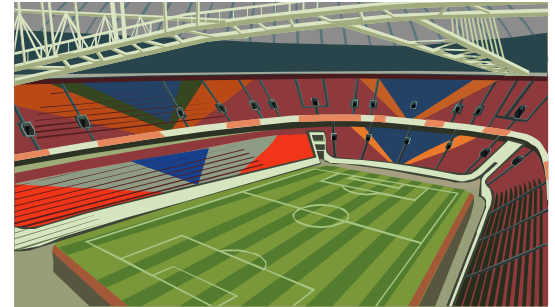
1 square inch (sq in)= 6.452 cm^2

1 square foot (sq ft)= 929.03 cm^2

1 square yard (sq yd)= 0.838 m^2

1 acre = 0.4047 ha

1 sq mile (sq m) = 2.59 km^2



- The surface of this football field is $7\,140 \text{ m}^2$

($8\,539 \text{ sq yd}$) ($105\text{m} \times 68\text{m}$)

Technical English

Volume=Objem

CR=metric= cm^3 , m^3

UK=non-metric= cu in, cu ft, cu yd

1 cubic inch (cu in)= 16.4 cm^3

1 cubic foot (cu ft)= 0.028 m^3

1 cubic yard (cu yd)= 0.765 m^3



- Average flow rate of Niagara Falls is $1,834 \text{ m}^3/\text{s}$ ($64,750 \text{ cu ft/s}$)

Technical English

Capacity = Objem

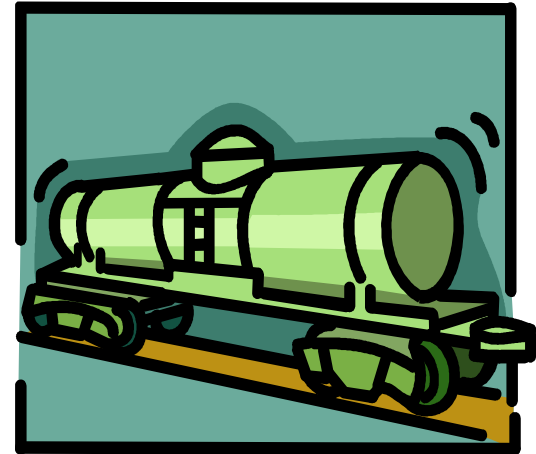
CR=metric= ml, cl, dl, l, hl

UK=non-metric= pt, gt, gal

1 pint (pinta)= 0.568 l

1 quart (kvart)= 1.136 l

1 gallon (galon)= 4.546 l



- The capacity of the tank is 2000 l (439,9 gal)



Practice 1



Match letters to numbers

- A) The units of measurement
- B) They must
- C) There are two standard
- D) In England they use customary system
- E) The metric system is in common use
- F) In the English system
- G) The meter is the basic unit of length

Přiřaď písmenka k číslům

- 1) in most countries.
- 2) in the metric system.
- 3) the yard is the basic unit of length.
- 4) mean the same everywhere.
- 5) must be standard.
- 6) also known as the English system.
- 7) systems in use today.



Practice 2



Multiple choice

- 1) In UK they serve beer in ____.
- 2) One mile is ____.
- 3) 4 kg of apples is about ____.
- 4) In Prague petrol is sold in ____.
- 5) The surface is measured in ____.
- 6) The width of the wardrobe is ____.
- 7) Average flow rate of water is measured in ____.

Vyber správnou odpověď

- | | |
|-----------------------|-----------------|
| a) pints | b) litres |
| a) 1.609 km | b) 1.409 km |
| a) 4 lb | b) 8lb |
| a) gallons | b) litres |
| a) cubic yards | b) square yards |
| a) 90 cm ³ | b) 90 cm |
| a) cu ft/s | b) sq ft/s |

Check your answers

Practice 1

A5, B4, C7, D6, E1, F3, G2.

Practice 2

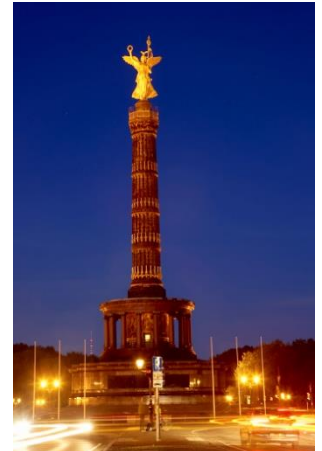
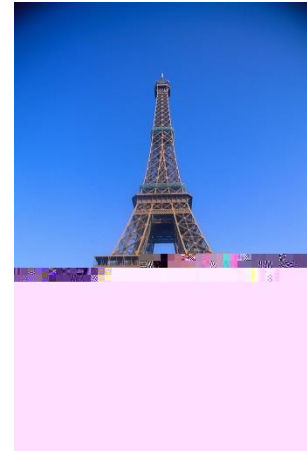
1a, 2a, 3b, 4b, 5b, 6b, 7a.

The English system (GB, USA)
(inch, yard, mile, ounce, gallon)



X

The metric system (most countries)
(meter, kilo, liter, ha, cm², m³)



Použité zdroje



- Veškeré použité obrázky (kliparty) pocházejí ze sady Microsoft Office 2010.
- Všechny fotografie pochází z archivu autora
- Student Handbook, volume 1, Southwestern Company, Nashville, Tennessee, 2010

*Autorem materiálu a všech jeho částí, není-li uvedeno jinak, je Mgr. Jolana Čechová
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