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1. Express in m, dm, cm and mm.

- a.  $8.425\text{ m} = 8\text{ m}, 4\text{ dm}, 2\text{ cm}$  and  $5\text{ mm}$ .
- b.  $7.75\text{ m} = 7\text{ m}, 7\text{ dm}, 5\text{ cm}$ .
- c.  $27.078\text{ m} = \del{2\text{ m}, 0\text{ dm}, 0\text{ cm}, 7\text{ mm}}  $27\text{ m}, 7\text{ cm}, 8\text{ mm}$ .$
- d.  $52.064\text{ m} = 5\text{ m}, 2\text{ dm}, 6\text{ cm}, 4\text{ mm}$ .
- e.  $0.6\text{ m} = 0\text{ m}, 6\text{ dm}$ .
- f.  $0.009\text{ m} = 0\text{ m}, 0\text{ dm}, 0\text{ cm}, 9\text{ mm}$ .
- g.  $1.050 = 1\text{ m}, 0\text{ dm}, 5\text{ cm}, 0\text{ mm}$ .
- h.  $75.08 = 7\text{ m}, 5\text{ dm}, 0\text{ cm}, 8\text{ mm}$ .

2. Using decimal notation express in metres:

- a.  $8\text{ m } 6\text{ dm } 5\text{ cm } 2\text{ mm} = 8.652$
- b.  $10\text{ m } 8\text{ dm } 6\text{ cm } 5\text{ mm} = 10.865$
- c.  $15\text{ m } 8\text{ dm } 1\text{ cm } 9\text{ mm} = 15.819$
- d.  $1\text{ m } 3\text{ dm } 7\text{ cm} = 1.370$
- e.  $7\text{ dm } 4\text{ cm } 3\text{ mm} = 0.743$
- f.  $8\text{ cm} = 0.080$
- g.  $9\text{ mm} = 0.009$
- h.  $4\text{ m } 5\text{ mm} = 4.005$

3. Express in Km, hm, dam and m:

a.  $2.355 \text{ km} = 2 \text{ km}, 3 \text{ hm}, 5 \text{ dam}, 5 \text{ m}.$

b.  $8.162 \text{ km} = 8 \text{ km}, 1 \text{ hm}, 6 \text{ dam}, 2 \text{ m}.$

c.  $30.750 \text{ km} = 30 \text{ km}, 7 \text{ hm}, 5 \text{ dam}, 0 \text{ m}.$

d.  $35.250 \text{ km} = 35 \text{ km}, 2 \text{ hm}, 5 \text{ dam}, 0 \text{ m}.$

e.  $48.878 \text{ km} = 48 \text{ km}, 8 \text{ hm}, 7 \text{ dam}, 8 \text{ m}.$

f.  $7.075 \text{ km} = 7 \text{ km}, 0 \text{ hm}, 7 \text{ dam}, 5 \text{ m}.$

g.  $1.005 \text{ km} = 1 \text{ km}, 0 \text{ hm}, 0 \text{ dam}, 5 \text{ m}.$

h.  $9.003 \text{ km} = 9 \text{ km}, 0 \text{ hm}, 0 \text{ dam}, 3 \text{ m}.$

4. Using decimal notation express in km.

a.  ~~$2.355 \text{ km}$~~

a.  $1 \text{ km}, 1 \text{ hm}, 2 \text{ dam}, 9 \text{ m} = 1.129$

b.  $7 \text{ km}, 8 \text{ hm}, 2 \text{ dam}, 2 \text{ m} = 7.822$

c.  $50 \text{ km}, 8 \text{ dam}, 7 \text{ m} = 50.8087$

d.  $24 \text{ km}, 5 \text{ hm}, 6 \text{ m} = 24.506$

e.  $6 \text{ hm}, 5 \text{ m} = 0.605$

f.  $5 \text{ dam}, 2 \text{ m} = 0.052$

g.  $1 \text{ km}, 5 \text{ m} = 1.005$

h.  $2 \text{ km}, 8 \text{ dam} = 2.080$