

C.W

MEASUREMENT

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Thu

Exercise -16 (A)

1. Express in m, dm, cm and mm

a) $8.425 = 8\text{ m } 4\text{ dm } 2\text{ cm } 5\text{ mm}$

b) $7.75\text{ m} = 7\text{ m } 7\text{ dm } 5\text{ cm}$

c) $27.078 = 27\text{ m } 7\text{ cm } 8\text{ mm}$

d) $52.064\text{ m} = 52\text{ m } 6\text{ cm } 4\text{ mm}$

2. Using decimal notation express in metres:

a) $8\text{ m } 6\text{ dm } 5\text{ cm } 2\text{ mm} = \underline{8.652\text{ m}}$

b) $10\text{ m } 8\text{ dm } 6\text{ cm } 5\text{ mm} = \underline{10.865\text{ m}}$

c) $15\text{ m } 8\text{ dm } 1\text{ cm } 9\text{ mm} = \underline{15.819\text{ m}}$

d) $1\text{ m } 3\text{ dm } 7\text{ cm} = 1.37\text{ m}$

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. $30.750 \text{ km} = 30 \text{ km } 7 \text{ hm } 5 \text{ dam}$

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

4. Using decimal express in km.

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

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

c. $50 \text{ km } 8 \text{ dam } 7 \text{ m} = 50.087 \text{ km}$

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

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5. Express in Kg, hg, dag and g

a. $3127 \text{ Kg} = 3 \text{ Kg } 1 \text{ hg } 2 \text{ dag } 7 \text{ g}$

b. $16.485 \text{ Kg} = 16 \text{ Kg } 4 \text{ hg } 8 \text{ dag } 5 \text{ g}$

c. $0.785 \text{ Kg} = 7 \text{ hg } 8 \text{ dag } 5 \text{ g}$

d. $0.48 \text{ Kg} =$

6. Using the decimal notation express in Kg

a. $2 \text{ Kg } 2 \text{ hg } 7 \text{ dag } 2 \text{ g} = 2.272 \text{ Kg}$

b. $5 \text{ Kg } 5 \text{ hg } 1 \text{ dag } 5 \text{ g} = 5.515 \text{ Kg}$

c. $7 \text{ Kg } 2 \text{ dag } 7 \text{ g} = 7.027 \text{ Kg}$

d. $5 \text{ hg } 3 \text{ g} = 0.503 \text{ Kg}$

7. Express in gm, dg, cg and mg

a. $3.164 \text{ g} = 3 \text{ gm } 1 \text{ dg } 6 \text{ cg } 4 \text{ mg}$

b. $5.750 \text{ g} = 5 \text{ gm } 7 \text{ dg } 5 \text{ cg}$

c. $0.5 \text{ g} = 5 \text{ dg}$

d. $0.185 \text{ g} = 1 \text{ dg } 8 \text{ cg } 5 \text{ mg}$

8. Using decimal express in grams.

a. $6 \text{ g } 7 \text{ dg } 2 \text{ mg} = 6.702 \text{ g}$

b. $2 \text{ g } 2 \text{ dg } 7 \text{ cg } 1 \text{ mg} = 2.271 \text{ g}$

c. $5 \text{ dg } 7 \text{ cg } 2 \text{ mg} = 0.572 \text{ g}$

d. $6 \text{ cg } 6 \text{ mg} = 0.066 \text{ g}$