

MATHEMATICS: WEEK 4 : GRADE 4

Length page 110 and 111

Number 2

a) $41 \text{ mm} = 4 \text{ cm} + 1 \text{ mm}$

b) $55 \text{ mm} = 5 \text{ cm} + 5 \text{ mm} = 5\frac{1}{2} \text{ cm}$

c) $35 \text{ mm} = 3 \text{ cm} + 5 \text{ mm} = 3\frac{1}{2} \text{ cm}$

d) $40 \text{ mm} = 4 \text{ cm}$

e) $20 \text{ mm} = 2 \text{ cm}$

f) $14 \text{ mm} = 1 \text{ cm} + 4 \text{ mm}$

Number 3

1) $160 \text{ mm} = 16 \text{ cm}$

2) $85 \text{ mm} = 8 \text{ cm} + 5 \text{ mm} = 8\frac{1}{2} \text{ cm}$

3) $125 \text{ mm} = 12 \text{ cm} + 5 \text{ mm} = 12\frac{1}{2} \text{ cm}$

4) $88 \text{ mm} = 8 \text{ cm} + 8 \text{ mm}$

5) $45 \text{ mm} = 4 \text{ cm} + 5 \text{ mm} = 4\frac{1}{2} \text{ cm}$

6) $33 \text{ mm} = 3 \text{ cm} + 3 \text{ mm}$

7) $82 \text{ mm} = 8 \text{ cm} + 2 \text{ mm}$

8) $25 \text{ mm} = 2 \text{ cm} + 5 \text{ mm} = 2\frac{1}{2} \text{ cm}$

9) $10 \text{ mm} = 1 \text{ cm}$

10) $52 \text{ mm} = 5 \text{ cm} + 2 \text{ mm}$

Estimate, measure and compare Page 112 and 113

Number 4

a) mm

b) cm

c) m

d) km

PAGE 2

Number 6

a) 5 cm and 25 mm

= length – width = difference

= 50 mm – 25 mm

= 25 mm

e) 21 cm and $10\frac{1}{2}$ cm

= length – width = difference

= 210 mm – 105 mm

= 105 mm

i) soccer field 100 m and 50m

= length – width = difference

= 100 m – 50 m

= 50 m

Length conversions page 114 and 115

Number 1

(The learners must only convert to one of the measurement units.)

a) 10mm = 1cm

b) 100cm = 1 000mm

b) 1 000mm = 1m

d) 1 000m = 1km

Number 2

Write the following in cm and mm, and then as cm.

10 mm = 1cm and 5 mm = $\frac{1}{2}$ cm

a) 75 mm

b) 65 mm

c) 35 mm

= 7 cm and 5 mm

= 6 cm and 5 mm

= 3 cm and 5 mm

= $7\frac{1}{2}$ cm

= $6\frac{1}{2}$ cm

= $3\frac{1}{2}$ cm

PAGE 3

d) 15 mm

= 1 cm and 5 mm

= $1\frac{1}{2}$ cm

e) 5 m

= 50 cm

= 50 cm

f) 85 mm

= 8 cm and 5 mm

= $8\frac{1}{2}$ cm

Number 3

Write the following as mm. **1 cm = 10 mm and $\frac{1}{2}$ cm = 5 mm**

a) 4 cm and 3mm

= 40 mm and 3 mm

= 43 mm

b) $6\frac{1}{2}$ cm

= 60 mm and 5 mm

= 65 mm

c) 7 cm and 8 mm

= 70 mm and 8 mm

= 78 mm

d) $9\frac{1}{2}$ cm

= 90 mm and 5 mm

= 95 mm

e) 5 cm and 9 mm

= 50 mm and 9 mm

= 59 mm

f) $18\frac{1}{2}$ cm

= 180 mm and 5 mm

= 185 mm

Number 4

Write the following in m and cm. **100 cm = 1 m**

a) 197 cm

= 1 m and 97 cm

d) 418 cm

= 4 m and 18 cm

b) 521 cm

= 5 m and 21 cm

e) 235 cm

= 2 m and 35 cm

c) 362 cm

= 3 m and 62 cm

f) 756 cm

= 7 m and 56 cm

Number 5

Write the following as cm. **1 m = 100 cm**

a) 1 m 42cm

= 142 cm

b) 5 m 24 cm

= 524 cm

c) 4 m 69 cm

= 469 cm

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d) 6 m 31 cm

= 631 cm

g) 3 m 55 cm

= 355 cm

e) 2 m 13 cm

= 213 cm

h) 9 m 76 cm

= 976 cm

f) 7 m 88 cm

= 788 cm

i) 8 m 97 cm

= 897 cm

Number 6

Write the following as km. **1 km = 1 000 m**

a) 3 500 m

= 3 km 500 m

D) 3 200 m

= 3 km 200 m

g) 8 500 m

= 8 km 500 m

b) 7 500 m

= 3 km 500 m

e) 6 100 m

= 6 km 100 m

h) 4 200 m

= 4 km 200 m

c) 8 900 m

= 3 km 500 m

f) 6 500 m

= 6 km 500 m

i) 3 800 m

= 3 km 800 m

Number 7

Write the following as m. **1 km = 1 000 m and $\frac{1}{2}$ km = 500 m**

a) $4\frac{1}{2}$ km

= 4 500 m

D) 7 km 800 m

= 7 800 m

g) $7\frac{1}{2}$ km

= 7 500 m

b) $9\frac{1}{2}$ km

= 9 500 m

e) $5\frac{1}{2}$ km

= 5 500 m

h) 9 km 200 m

= 9 200 m

c) 2 km 400 m

= 2 400 m

f) 6 km 300 m

= 6 300 m

i) $1\frac{1}{2}$ km

= 1 500 m