

## ★ Length & Perimeter – Equivalent Lengths – m & cm

Children continue to recognise that 100 cm is equivalent to 1 metre. They now look into measurements that are not only multiples of 100. They use a table to convert the multiple of one hundred into a metre and partition the measurement.

On this sheet, they are given a full example and then progress to completing a table independently.

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## ★★ Length & Perimeter – Equivalent Lengths – m & cm

Children continue to recognise that 100 cm is equivalent to 1 metre. They now look into measurements that are not only multiples of 100. They use a table to convert the multiple of one hundred into a metre and partition the measurement.

On this sheet, they are given a full example and then blank tables to convert the given measurements.

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## ★★★ Length & Perimeter – Equivalent Lengths – m & cm

On this sheet, children do not have a given example. They use their place value knowledge to add the measurements mentally and then use that total to complete the table correctly.

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## Reasoning & Problem Solving

### Length & Perimeter – Equivalent Lengths – m & cm

Children continue working on their understanding of length with reasoning tasks.



This table shows 140 cm converted into metres and centimetres.

140 cm	
100 cm	40 cm
1 m	40 cm
1m 40 cm	

$$140 \text{ cm} = \underline{\hspace{2cm}}$$

Convert 245 cm using the table.

245 cm	
200 cm	45 cm
___ m	___ cm
___ m ___ cm	

$$245 \text{ cm} = \underline{\hspace{2cm}}$$

Convert 350 cm using the table.

350 cm	
300 cm	50 cm
___ m	___ cm
___ m ___ cm	

$$350 \text{ cm} = \underline{\hspace{2cm}}$$

Convert 525 cm using the table.

525 cm	
___ cm	___ cm
___ m	___ cm
___ m ___ cm	

$$525 \text{ cm} = \underline{\hspace{2cm}}$$



This table shows 140 cm converted into metres and centimetres.

140 cm	
100 cm	40 cm
1 m	40 cm
1m 40 cm	

$$140 \text{ cm} = \underline{1 \text{ m and } 40 \text{ cm}}$$

Convert 245 cm using the table.

245 cm	
200 cm	45 cm
<u>2</u> m	<u>45</u> cm
<u>2</u> m <u>45</u> cm	

$$245 \text{ cm} = \underline{2 \text{ m and } 45 \text{ cm}}$$

Convert 350 cm using the table.

350 cm	
300 cm	50 cm
<u>3</u> m	<u>50</u> cm
<u>3</u> m <u>50</u> cm	

$$350 \text{ cm} = \underline{3 \text{ m and } 50 \text{ cm}}$$

Convert 525 cm using the table.

525 cm	
<u>500</u> cm	<u>25</u> cm
<u>5</u> m	<u>25</u> cm
<u>5</u> m <u>25</u> cm	

$$525 \text{ cm} = \underline{5 \text{ m and } 25 \text{ cm}}$$

This table shows 146 cm converted into metres and centimetres.

146 cm	
100 cm	46 cm
1 m	46 cm
1m 46 cm	

$$146 \text{ cm} = \underline{\hspace{2cm}}$$

Convert 299 cm using the table.



$$299 \text{ cm} = \underline{\hspace{2cm}}$$

Convert 357 cm using the table.



$$357 \text{ cm} = \underline{\hspace{2cm}}$$

Convert 578 cm using the table.



$$578 \text{ cm} = \underline{\hspace{2cm}}$$

This table shows 146 cm converted into metres and centimetres.

146 cm	
100 cm	46 cm
1 m	46 cm
1m 46 cm	

$$146 \text{ cm} = \underline{1 \text{ m and } 46 \text{ cm}}$$

Convert 299 cm using the table.

299 cm	
200 cm	99 cm
2 m	99 cm
2 m and 99 cm	

$$299 \text{ cm} = \underline{2 \text{ m and } 99 \text{ cm}}$$

Convert 357 cm using the table.

357 cm	
300 cm	57 cm
3 m	57 cm
3 m and 57 cm	

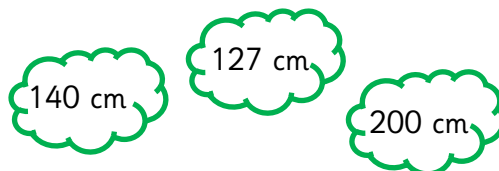
$$357 \text{ cm} = \underline{3 \text{ m and } 57 \text{ cm}}$$

Convert 578 cm using the table.

578 cm	
500 cm	78 cm
5 m	78 cm
5 m and 78 cm	

$$578 \text{ cm} = \underline{5 \text{ m and } 78 \text{ cm}}$$

Find the totals of the centimetres shown. Convert them into metres and centimetres.

\_\_\_\_\_ cm = \_\_\_\_\_




\_\_\_\_\_ cm = \_\_\_\_\_




\_\_\_\_\_ cm = \_\_\_\_\_

_____ cm	

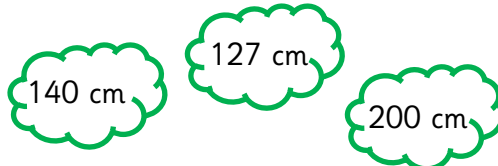


\_\_\_\_\_ cm = \_\_\_\_\_



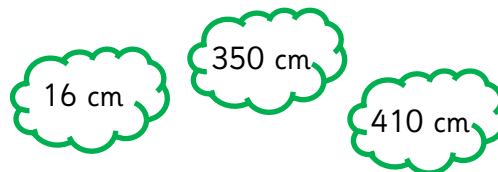
Find the totals of the centimetres shown. Convert them into metres and centimetres.

467 cm	
400 cm	67 cm
4 m	67 cm
4 m and 67 cm	



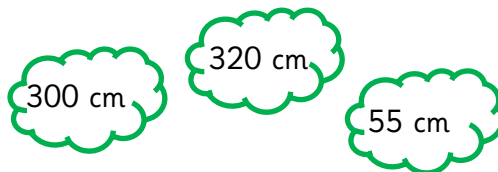
$$\underline{467} \text{ cm} = \underline{4 \text{ m and } 67 \text{ cm}}$$

776 cm	
700 cm	76 cm
7 m	76 cm
7 m and 76 cm	



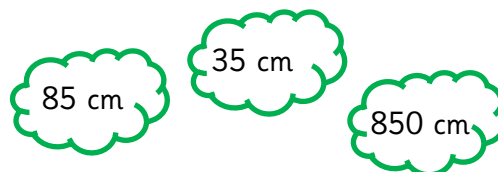
$$\underline{776} \text{ cm} = \underline{7 \text{ m and } 76 \text{ cm}}$$

675 cm	
600 cm	75 cm
6 m	75 cm
6 m and 75 cm	



$$\underline{675} \text{ cm} = \underline{6 \text{ m and } 75 \text{ cm}}$$

970 cm	
900 cm	70 cm
9 m	70 cm
9 m and 70 cm	



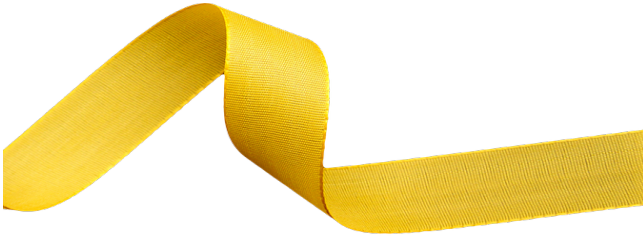
$$\underline{970} \text{ cm} = \underline{9 \text{ m and } 70 \text{ cm}}$$

Is Tia correct?



Zach

My ribbon is  $2\frac{1}{2}$  metres long.



Mine is longer because it is 245 cm long  
245 is greater than  $2\frac{1}{2}$ .



Tia

Which ones show 693 cm partitioned correctly?

6 cm and 93 m

93 cm and 6 m



69 m and 3 cm

6 m and 93 cm

Is Tia correct?



Zach

My ribbon is  $2\frac{1}{2}$  metres long.



Mine is longer because it is 245 cm long  
245 is greater than  $2\frac{1}{2}$ .



Tia

Which ones show 693 cm partitioned correctly?

6 cm and 93 m

93 cm and 6 m



69 m and 3 cm

6 m and 93 cm



Is Tia correct?



My ribbon is  $2\frac{1}{2}$  metres long.



Mine is longer because it is 245 cm long  
245 is greater than  $2\frac{1}{2}$ .



No.

$2\frac{1}{2}$  metres is 250 cm.

Tia 250 cm is longer than 245 cm.

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Which ones show 693 cm partitioned correctly?

6 cm and 93 m

93 cm and 6 m ✓



69 m and 3 cm

6 m and 93 cm ✓

Is Tia correct?



My ribbon is  $2\frac{1}{2}$  metres long.



Mine is longer because it is 245 cm long  
245 is greater than  $2\frac{1}{2}$ .



No.

$2\frac{1}{2}$  metres is 250 cm.

Tia 250 cm is longer than 245 cm.

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Which ones show 693 cm partitioned correctly?

6 cm and 93 m

93 cm and 6 m ✓



69 m and 3 cm

6 m and 93 cm ✓