



Medium

# Comparing Measurements

I can compare measurements in m, cm and mm.



1) Compare these measurements using  $<$ ,  $>$  or  $=$ .

50mm		5cm
29mm		3cm
2cm 4mm		5cm
3cm 5mm		34mm
178cm		2m
436cm		3m
1m 24cm		2m
2m 65cm		265cm

Useful Facts  
 $1\text{m} = 100\text{cm}$   
 $1\text{cm} = 10\text{mm}$

2) Order these measurements from shortest to longest.

a) 15cm      37mm      2m      1m 26cm

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b) 62mm      1m 56cm      6cm      3m

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c) 12cm      2m      99mm      197cm

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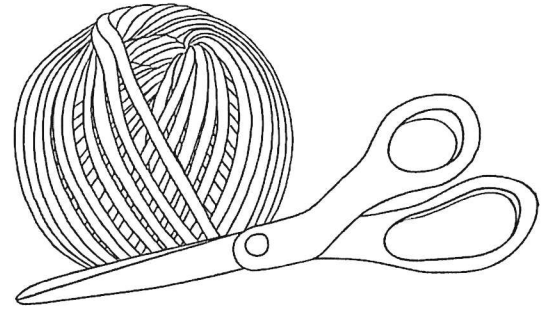
d) 3cm      200cm      2m 50cm      38mm

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- 3) Craig cuts 6 pieces of string. Some of the pieces he measures in cm, some he measures in mm, and some in mixed units (cm and mm).  
Order the strings from longest to shortest:

piece A	100mm
piece B	12cm
piece C	45mm
piece D	10cm 2mm
piece E	6cm
piece F	4cm 3mm



longest			shortest		
piece	piece	piece	piece	piece	piece

- 4) Here are a group of friends' heights. Some heights are in cm, some are in m and cm.  
Order the friends' heights from shortest to tallest:

Pavdeep	122cm
Scarlett	1m 45cm
Mohammed	1m 67cm
Tina	138cm
Joshua	1m 24cm
Stacey	153cm
Nikita	1m 52cm

shortest				tallest		



# Comparing Measurements Answers

I can compare measurements in m, cm and mm.



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50mm	=	5cm
29mm	<	3cm
2cm 4mm	<	5cm
3cm 5mm	>	34mm
178cm	<	2m
436cm	>	3m
1m 24cm	<	2m
2m 65cm	=	265cm

2) Order these measurements from shortest to longest.

a) 15cm      37mm      2m      1m 26cm

<b>37mm</b>	<b>15cm</b>	<b>1m 26cm</b>	<b>2m</b>
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b) 62mm      1m 56cm      6cm      3m

<b>6cm</b>	<b>62mm</b>	<b>1m 56cm</b>	<b>3m</b>
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c) 12cm      2m      99mm      197cm

<b>99mm</b>	<b>12cm</b>	<b>197cm</b>	<b>2m</b>
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d) 3cm      200cm      2m 50cm      38mm

<b>3cm</b>	<b>38mm</b>	<b>200cm</b>	<b>2m 50cm</b>
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- 3) Craig cuts 6 pieces of string. Some of the pieces he measures in cm, some he measures in mm, and some in mixed units (cm and mm).  
Order the strings from longest to shortest:

longest			shortest		
piece <b>B</b>	piece <b>D</b>	piece <b>A</b>	piece <b>E</b>	piece <b>C</b>	piece <b>F</b>

- 4) Here are a group of friends' heights. Some heights are in cm, some are in m and cm.  
Order the friends' heights from shortest to tallest:

Pavdeep	122cm
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shortest			tallest			
<b>Pavdeep</b>	<b>Joshua</b>	<b>Tina</b>	<b>Scarlett</b>	<b>Nikita</b>	<b>Stacey</b>	<b>Mohammed</b>