

**CBSE Class 3 Mathematics**  
**NCERT Solutions**  
**Chapter – 4**  
**LONG AND SHORT**

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**1. Measure your arm and your mother's arm. What is the difference.**

**Ans.** Mother's arm is bigger than that of mine.

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**How Many**

**2. In how many steps will Dorji cross the road?**

**Ans.** Dorji may cross the road in 5 steps.

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**3. How many cups can be placed in a line on the table?**

**Ans.** 10 cups can be placed in a line on this table.

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**4. How many pots can be placed to reach the tree branch?**

**Ans.** 5 pots can be placed to reach the tree branch.

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**5. How many shirts can be hung on this wire?**

**Ans.** 4 shirts can be hung on this wire.

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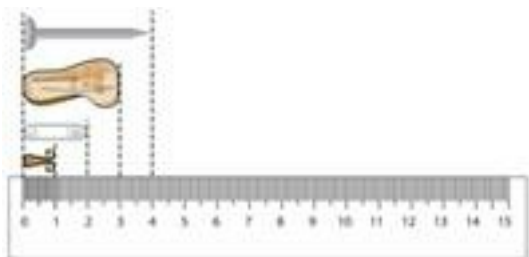
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**6. The leaf is 4 centimetres long. The wax colour is 7 centimetres long. Now, look at a scale that you find in a geometry box. How many centimetres does it have?**

**Ans.** 15 centimetres.

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**7. The small scale that you mostly use in school is like this one.**



**Is it easier to start measuring from the 0 mark? Look at these things drawn near the scale and find out their lengths.**

**(a) What are the little lines on the scale used for?**

**Ans.** The little lines on the scale are used to measure short objects.

**(b) Look for things that are**

**Look for things that are**

**About 10 centimetres long**

**Between 10 and 20 centimetres long**

**Less than 1 cm long**

**Ans.** The list of things having lengths.

About 10 centimetres are:

Screwdriver, spanner, soap cake, bangle.

Between 10 and 20 centimetres are:

Electric iron, frock, spoon, bottle, rolling pin.

Less than 1 cm long:

Peas, Beans, termite, ant, nail.

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**8. Which is longer? Thumb or little finger?**

**Ans.** Thumb is longer than little finger.

**Think**

**9. How will you know the number of centimetres if you measure with a rope, shoe-string, thread etc.?**

**Ans.** The number of centimetres can be known on comparing the portion of a rope, shoe-string, thread etc. used for measuring with the scale.

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**Gibli And The Grains**

**10. Ant Gibli has to reach the grains. She is looking for the shortest road. Can you tell her which is the shortest?**

**Ans.** Road B is the shortest road.

**11. Can you draw a road shorter than these? What is the length of that road?**

**Ans.** Yes, a road shorter to the given road can be drawn and its length will be 11.5 cm.

**12.**

	My measurement	My friend's measurement
Nose	3 centimetres	3 centimetres
Around the wrist	12 centimetres	11 centimetres
Around the head	36 centimetres	35 centimetres

Ear	5 centimetres	5 centimetres
Hand	12 centimetres	11 centimetres

**Compare your measurement with your friends.**

**(a) Who has the biggest head and who has the smallest head?**

Ans. Anshul, Dheeraj.

**(b) Who has the longest head (from middle finger wrist)?**

Ans. Amina.

**(c) Which is longer? Your ear or your nose?**

Ans. Ear.

**(d) Is any of your nails more than 1 centimetre long?**

Ans. Yes.

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**Centimeters Or Metres?**

**13. Which of these will be in centimetres and which will be in metres?**

**(a) Width of a computer screen.**

Ans. Centimetres.

**(b) Length of a Pagdi worn by Sikhs.**

Ans. Metres.

**(c) Height of a 1 year old child.**

Ans. Centimetres.

**(d) Length of a banana.**

Ans. Centimetres.

**(e) Waist of an elephant.**

Ans. Metres.

**(f) Height of a sugarcane.**

Ans. Metres.

**(g) Depth of a wall.**

Ans. In metres.

**(h) Height of your mother.**

Ans. Centimetres.

**(i) Distance from school to home.**

Ans. Metres.

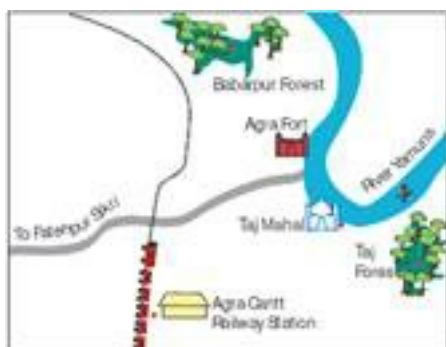
**(j) Length of your father's arm.**

Ans. Centimetres.

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**14.**



**Agra Cantt. Railway Station to Taj Mahal – 5 km**

**Taj Mahal to Agra Fort – 2km**

**Agra Fort to Fatehpur Sikri – 40 km**

**(a) Which is farthest from Agra Cantt. Railway Station – Taj Mahal or Fatehpur Sikri?**

**Ans.** Fatehpur Sikri is farther.

**(b) Which of these is nearer to the railway line:**

**Babarpur forest or Taj forest?**

**Agra Fort or Taj Mahal?**

**Ans.** Babarpur forest is nearer. Agra fort is nearer.

**(c) Taj Mahal or the Railway Station?**

**Ans.** Taj Mahal is closer.

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### **15. The Long Tail Competition**

**The animals in this picture had a competition. The animal who had the longest tail won a prize. Now who do you think won the first prize and who won the second? Just guess the length of the longest tail.**



**Ans.** Monkey won the first prize and cow won the second prize. Longest tail is about 1 metre long.