



## PHYSICS

### MOTION & MEASUREMENTS

#### Questions

1. Give two examples each, of modes of transport used on land, water and air.



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## 2. Fill in the blank

One metre is \_\_\_\_\_ cm.



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## 3. Fill in the blank

Five kilometre is \_\_\_\_\_ m



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#### 4. Fill in the blank

Motion of a child on a swing is\_\_\_\_\_



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#### 5. Fill in the blank

Motion of the needle of a sewing machine is  
\_\_\_\_\_



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## 6. Fill in the blank

Motion of the needle of a sewing machine is

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7. Why can a pace or a footstep not be used as a standard unit of length?



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**8.** Arrange the following lengths in their increasing magnitude:

1 metre, 1 centimetre, 1 kilometre, 1 millimetre.



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**9.** The height of a person is 1.65 m. Express it into cm and mm.



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**10.** The distance between Radha's home and her school is 3250 m. Express this distance into km.



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**11.** While measuring the length of a knitting needle, the reading of the scale at one end is 3.0 cm and at the other end is 33.1 cm. What is the length of the needle?



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**12.** Write the similarities and differences between the motion of a bicycle wheel and a ceiling fan that has been switched on.



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**13.** Why would you not like to use a measuring tape made of an elastic material like rubber to measure distance? What would be some of the problems you would meet in telling someone

about a distance you measured with such a tape?



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**14.** Give two examples of periodic motion.



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