Worksheet: Surface Areas and Volumes

NIOS · Class 9 · Mathematics · 5 questions · 11 marks

Name: _____ Date: _____ Score: _____ / 11

Q1. Find the curved surface area of a cylinder with radius 3.5 cm and height 10 cm. (Use À 22/7.) *[1 mark]*

Q2. Find the volume of a sphere of radius 7 cm. (Use À 22/7.) *[1 mark]*

Q3. A cone has height 12 cm and radius 5 cm. Find its slant height and total surface area. (Use À 22/7.) *[2 marks]*

Q4. A solid is a cylinder (radius 7 cm, height 10 cm) with a hemisphere of the same radius on top. Find the total surface area. (Use À 22/7.) *[3 marks]*

Q5. A metallic sphere of radius 10.5 cm is melted and recast into small cones of radius 3.5 cm and height 3 cm. How many cones are formed? *[4 marks]*