Surface area of cones

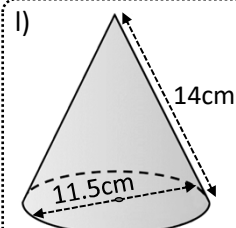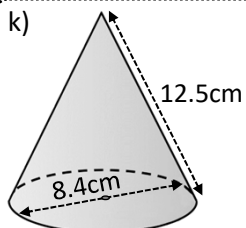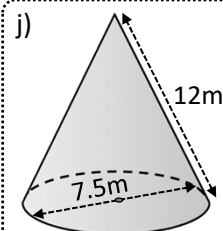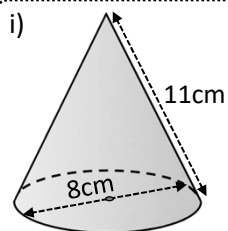MATHS·SCHOOL

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Name:

Calculate the total **surface area** of these cones (give your answer to 1 decimal place):

Diagrams not drawn to scale

a) 10cm, 5cm

b) 12cm, 4cm

c) 9cm, 3m

d) 18cm, 7cm

e) 8.2cm, 4.1m

f) 6.5cm, 2.5cm

g) 15cm, 12cm

h) 13cm, 10cm

i) 11cm, 8cm

j) 12m, 7.5m

k) 12.5cm, 8.4cm

l) 14cm, 11.5cm

Exam question:

A cone has base radius 10cm and slant height 25cm.

Work out the **surface area** of the cone.
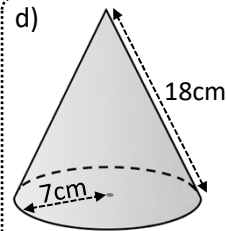
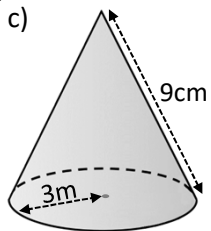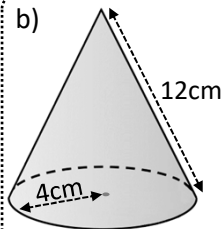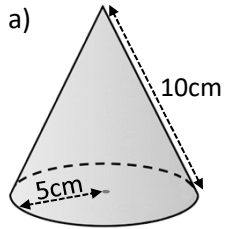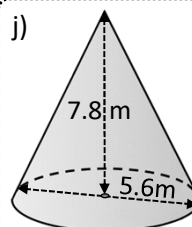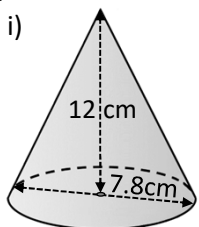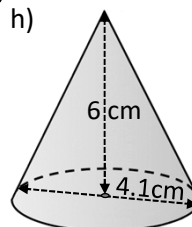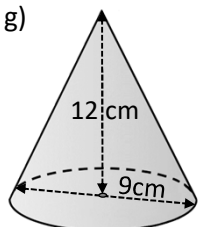Give your answer **in terms of π**

Surface area of cones

MATHS·SCHOOL

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Name:

Calculate the total **surface area** of these cones (give your answer to 1 decimal place):   **Diagrams not drawn to scale**

a)

12 cm

5cm

b)

10 cm

4cm

c)

8 cm

3cm

d)

17 cm

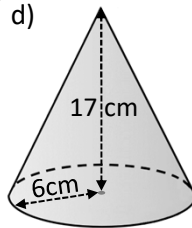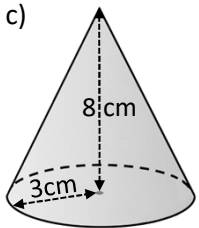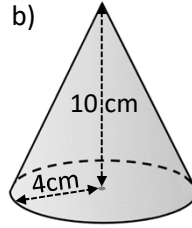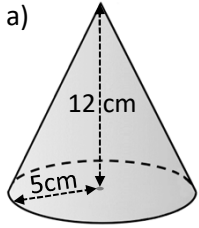6cm

e)

5 m

2.1m

f)

18 cm

11cm

g)

12 cm

9cm

h)

6 cm

4.1cm

i)

12 cm

7.8cm

j)

7.8 m

5.6m
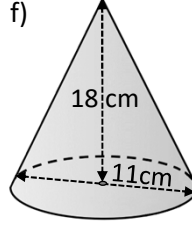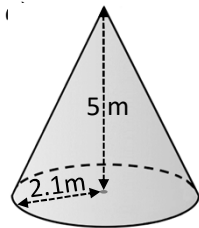
Exam question:
A cone has base diameter of 18cm and perpendicular height 25cm.
Work out the surface area of the cone.
Give your answer to the nearest one decimal place