

## Solid figures - pyramids

**Determine the surface area of each pyramid.**

- 1) A square pyramid measuring 8 yd along the base with a slant height of 8.9 yd.
- 2) A square pyramid measuring 9 yd along the base with a slant height of 9.2 yd.
  
  
  
  
  
  
  
  
  
  
- 3) A square pyramid measuring 4 m along the base with a slant height of 8.2 m.
- 4) A square pyramid measuring 6 m along the base with a slant height of 8.5 m.
  
  
  
  
  
  
  
  
  
  
- 5) A square pyramid measuring 5 cm along the base with a slant height of 7.4 cm.
- 6) A square pyramid measuring 6 ft along the base with a slant height of 9.5 ft.

7) A square pyramid measuring 8 ft along the base with a slant height of 9.8 ft.

8) A square pyramid measuring 10 cm along the base with a slant height of 8.6 cm.

9) A square pyramid measuring 6 in along the base with a slant height of 10.4 in.

10) A square pyramid measuring 8 in along the base with a slant height of 10.8 in.

11) A square pyramid measuring 6 km along the base with a slant height of 5.8 km.

12) A square pyramid measuring 10 km along the base with a slant height of 10.3 km.

13) A square pyramid measuring 9 yd along the base with a slant height of 11 yd.

14) A square pyramid measuring 2 yd along the base with a slant height of 1.4 yd.

15) A square pyramid measuring 5 cm along the base with a slant height of 6.5 cm.

16) A square pyramid measuring 7 in along the base with a slant height of 10.6 in.

17) A square pyramid measuring 7 ft along the base with a slant height of 7.8 ft.

18) A square pyramid measuring 10 in along the base with a slant height of 11.2 in.

19) A square pyramid measuring 8 cm along the base with a slant height of 8.1 cm.

20) A square pyramid measuring 3 km along the base with a slant height of 3.4 km.

21) A square pyramid measuring 5 km along the base with a slant height of 5.6 km.

22) A square pyramid measuring 6 m along the base with a slant height of 7.6 m.

23) A square pyramid measuring 1 yd along the base with a slant height of 2.1 yd.

24) A square pyramid measuring 8 m along the base with a slant height of 7.2 m.

25) A square pyramid measuring 1 ft along the base with a slant height of 1.1 ft.

26) A square pyramid measuring 5 ft along the base with a slant height of 10.3 ft.

27) A square pyramid measuring 5 in along the base with a slant height of 4.7 in.

28) A square pyramid measuring 4 mi along the base with a slant height of 4.5 mi.

29) A square pyramid measuring 8 km along the base with a slant height of 5.7 km.

30) A square pyramid measuring 6 km along the base with a slant height of 6.7 km.

## Answers to Solid figures - pyramids

1)  $206.4 \text{ yd}^2$

5)  $99 \text{ cm}^2$

9)  $160.8 \text{ in}^2$

13)  $279 \text{ yd}^2$

17)  $158.2 \text{ ft}^2$

21)  $81 \text{ km}^2$

25)  $3.2 \text{ ft}^2$

29)  $155.2 \text{ km}^2$

2)  $246.6 \text{ yd}^2$

6)  $150 \text{ ft}^2$

10)  $236.8 \text{ in}^2$

14)  $9.6 \text{ yd}^2$

18)  $324 \text{ in}^2$

22)  $127.2 \text{ m}^2$

26)  $128 \text{ ft}^2$

30)  $116.4 \text{ km}^2$

3)  $81.6 \text{ m}^2$

7)  $220.8 \text{ ft}^2$

11)  $105.6 \text{ km}^2$

15)  $90 \text{ cm}^2$

19)  $193.6 \text{ cm}^2$

23)  $5.2 \text{ yd}^2$

27)  $72 \text{ in}^2$

4)  $138 \text{ m}^2$

8)  $272 \text{ cm}^2$

12)  $306 \text{ km}^2$

16)  $197.4 \text{ in}^2$

20)  $29.4 \text{ km}^2$

24)  $179.2 \text{ m}^2$

28)  $52 \text{ mi}^2$