| The file: maths cube worksheet |

Almanahj Website ⇒ American curriculum ⇒ 8th Grade ⇒ Math ⇒ Term 1

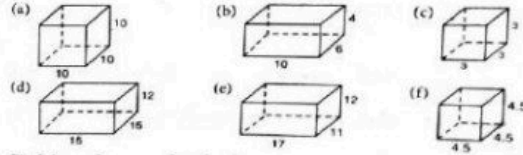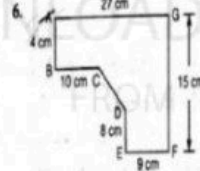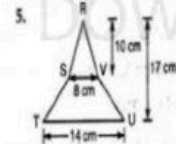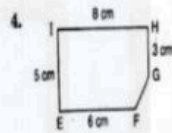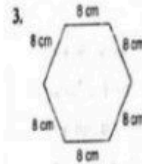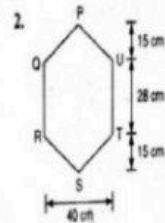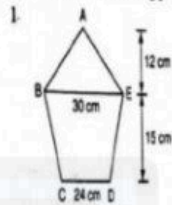| More files for: 8th Grade subject Math - Term 1	
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Worksheet

1) Find the surface area of a cube whose side length is 6cm.

2)

1. Find the surface area and lateral area of each cuboid / cube. All lengths are in centimetres.
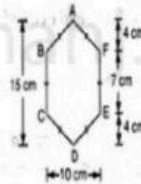
(a) 10, 10, 10
(b) 4, 6, 10
(c) 3, 3, 3
(d) 12, 15, 15
(e) 12, 11, 17
(f) 4.5, 4.5, 4.5

3)

Find the area of the following polygons.

1. A, 12 cm, B, E, 30 cm, 15 cm, C 24 cm D
2. P, Q, U, 15 cm, 28 cm, R, T, 15 cm, S, 40 cm
3. 8 cm, 8 cm, 8 cm, 8 cm, 8 cm, 8 cm, 8 cm
4. 8 cm, I, H, 3 cm, 5 cm, G, E, 6 cm, F
5. R, T, 10 cm, S, V, 17 cm, 8 cm, T, U, 14 cm
6. 27 cm, A, G, 4 cm, B, 10 cm C, 15 cm, D, 8 cm, E, F, 9 cm

7. Find the area of the hexagon ABCDEF in two ways:
   (a) By splitting into two congruent triangles and a rectangle.
   (b) By splitting into two congruent trapeziums.

A, 4 cm, B, F, 15 cm, 7 cm, C, E, 4 cm, D, 10 cm

4) The difference of the parallel sides of a trapezoidal field is 20m. Its area is 450 m² and its altitude is 15m . Find the length of the parallel sides.

5) Two parallel sides of an isosceles trapezium are 31 cm and 15 cm. Its non-parallel sides are each equal to 17cm. Find the area of the trapezium.