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EXERCISE 10.1 - Question No. 1

For each of the given solid, the two views are given. Match for each solid the corresponding top and front views. The first one is done for you.

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EXERCISE 10.1 - Question No. 2

For each of the given solid, the three views are given. Identify for each solid the corresponding top, front and side views.

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EXERCISE 10.1 - Question No. 3

For each given solid, identify the top view, front view and side view.

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EXERCISE 10.1 - Question No. 4

Draw the front view, side view and top view of the given objects.

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EXERCISE 10.3 - Question No. 1

Can a polyhedron have for its faces (i) 3 triangles? (ii) 4 triangles?
(iii) a square and four triangles?

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EXERCISE 10.3 - Question No. 2

Is it possible to have a polyhedron with any given number of faces?
(Hint: Think of a pyramid).

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EXERCISE 10.3 - Question No. 3

Which are prisms among the following?

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EXERCISE 10.3 - Question No. 4

(i) How are prisms and cylinders alike? (ii) How are pyramids and cones alike?

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EXERCISE 10.3 - Question No. 5

Is a square prism same as a cube? Explain.

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EXERCISE 10.3 - Question No. 6

Verify Euler's formula for these solids.

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EXERCISE 10.3 - Question No. 7

Using Euler's formula find the unknown. Faces $?$, 5 , 20 , vertices 6 , $?$, 12 and Edges 12 , 9 , $?$

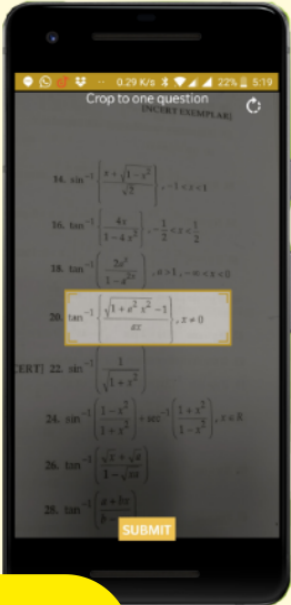
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EXERCISE 10.3 - Question No. 8

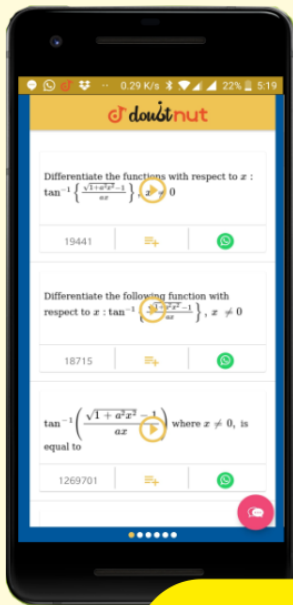
Can a polyhedron have 10 faces, 20 edges and 15 vertices?

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**Bas Question
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