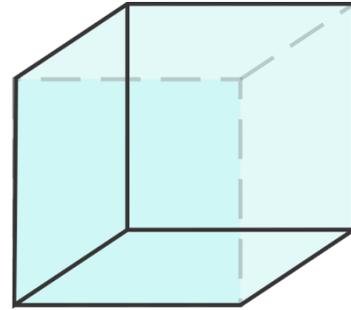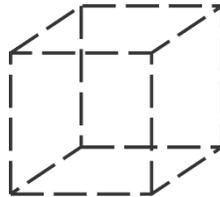Math 4d. Homework 23.

1. This cube is seen from below-left side.
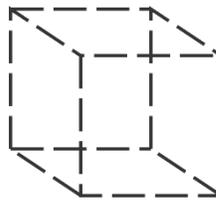
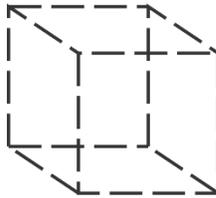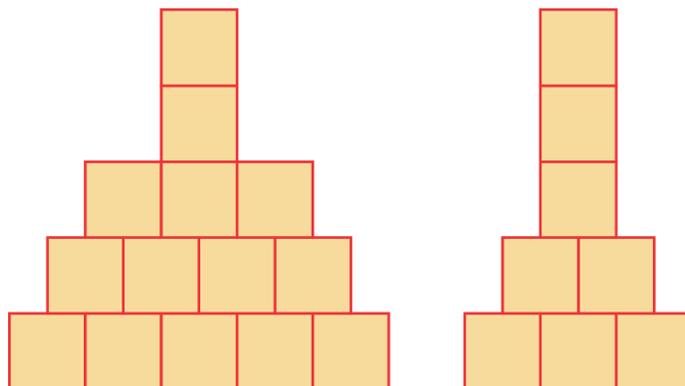   Draw solid lines so that the cubes are seen from

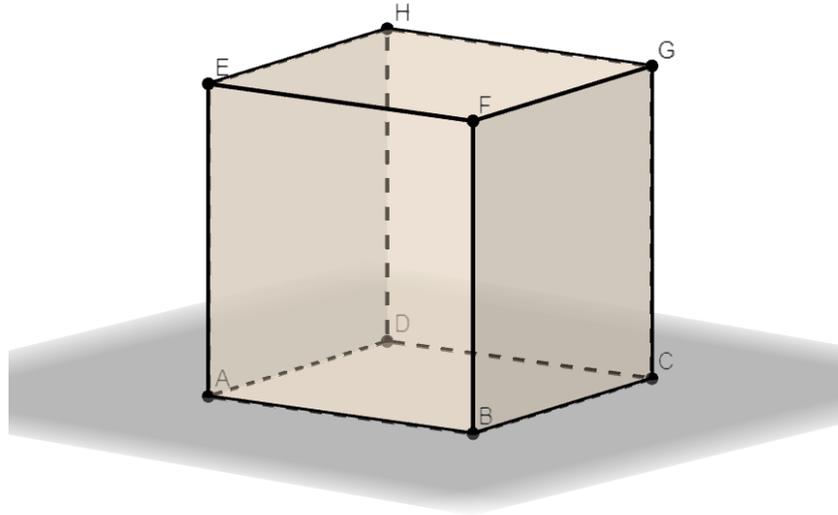   a. above wright:

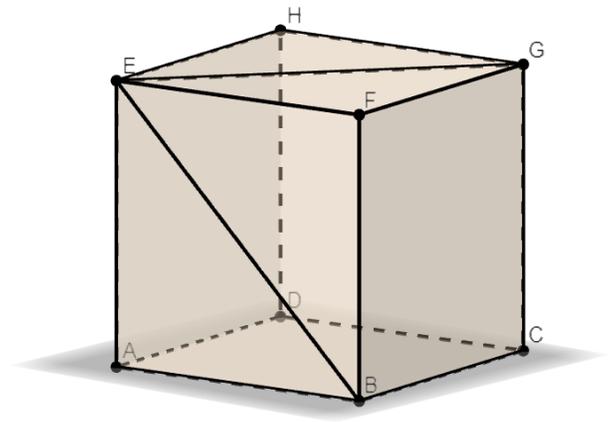   b. from above left:

   c. from below wright:

2. Peter built a cubic tower. On a picture you can see the front view of the tower and the view from the left. What is the smallest number of cubes and the greatest number he can use to build the tower?

3. Mark the centers of the faces of the cube (center of the square is the intersection of its diagonals):

4. What is the measure of the angle ∠GEB?
   Don't measure it with a protractor, think about the triangle this angle is part of.

5. It takes Mary needs $\frac{5}{12}$ hours to walk from her home to the railroad station, her father can walk the same distance in 0.25 hour. Mary's speed is 2.4 km per hour less than the father's speed. What is the distance between the house and the station?

6. A pool can be filled by one pipe in 36 hours, and by the second pipe in 48 hours. Pool was filling by the first pipe for 12 hours and then by the second pipe only. How many hours did it take to fill the pool?

7. Do the calculation, write down only the answers. Try to do it less than 2 minutes.

$0.36: 0.9;$ $3.4 + 0.16;$

$0.8 + 0.02;$ $4.2 - 0.02;$

$4 - 1.75;$ $2.5 \cdot 0.08;$

$21.6 \cdot 0.1;$ $6.4: 0.04;$