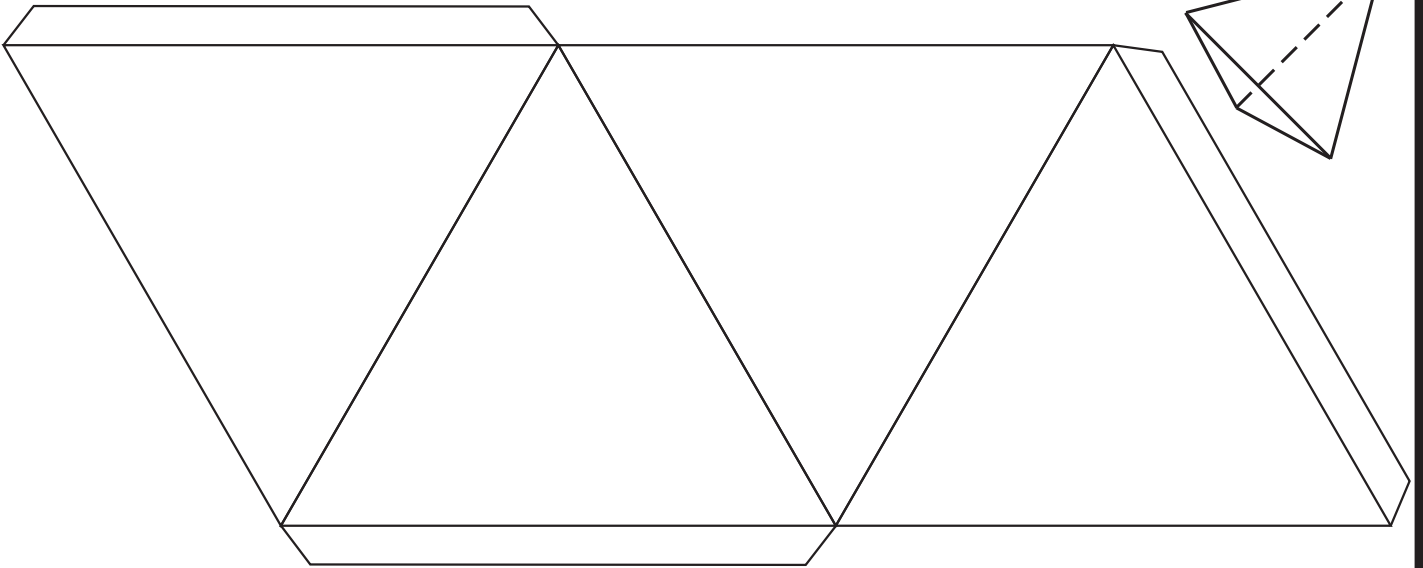
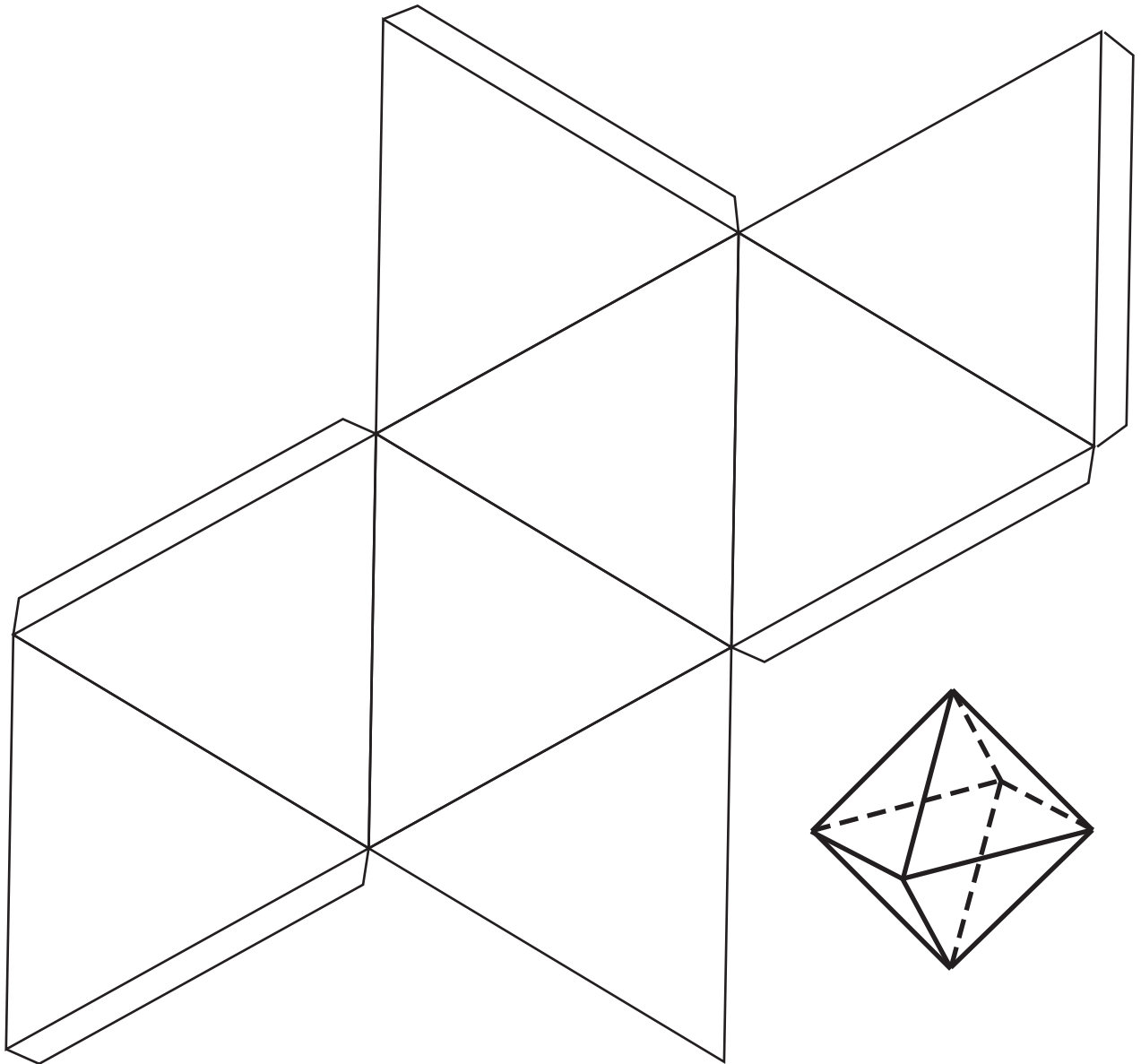


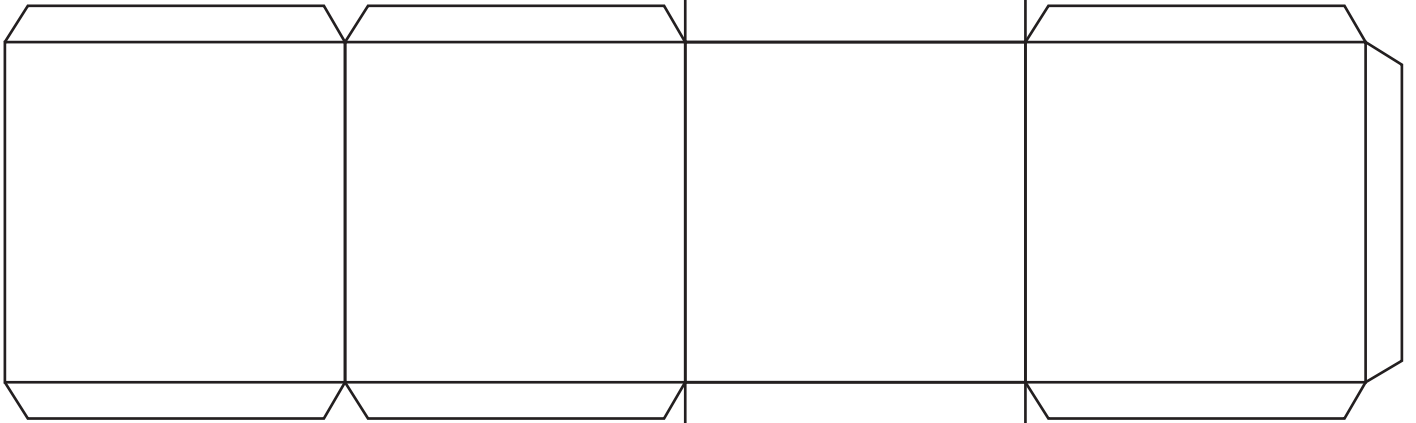
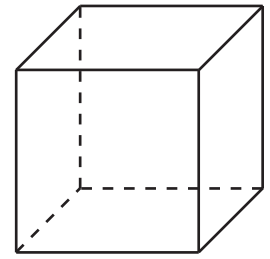
PLATONIC SOLIDS: REGULAR TETRAHEDRON, Fire



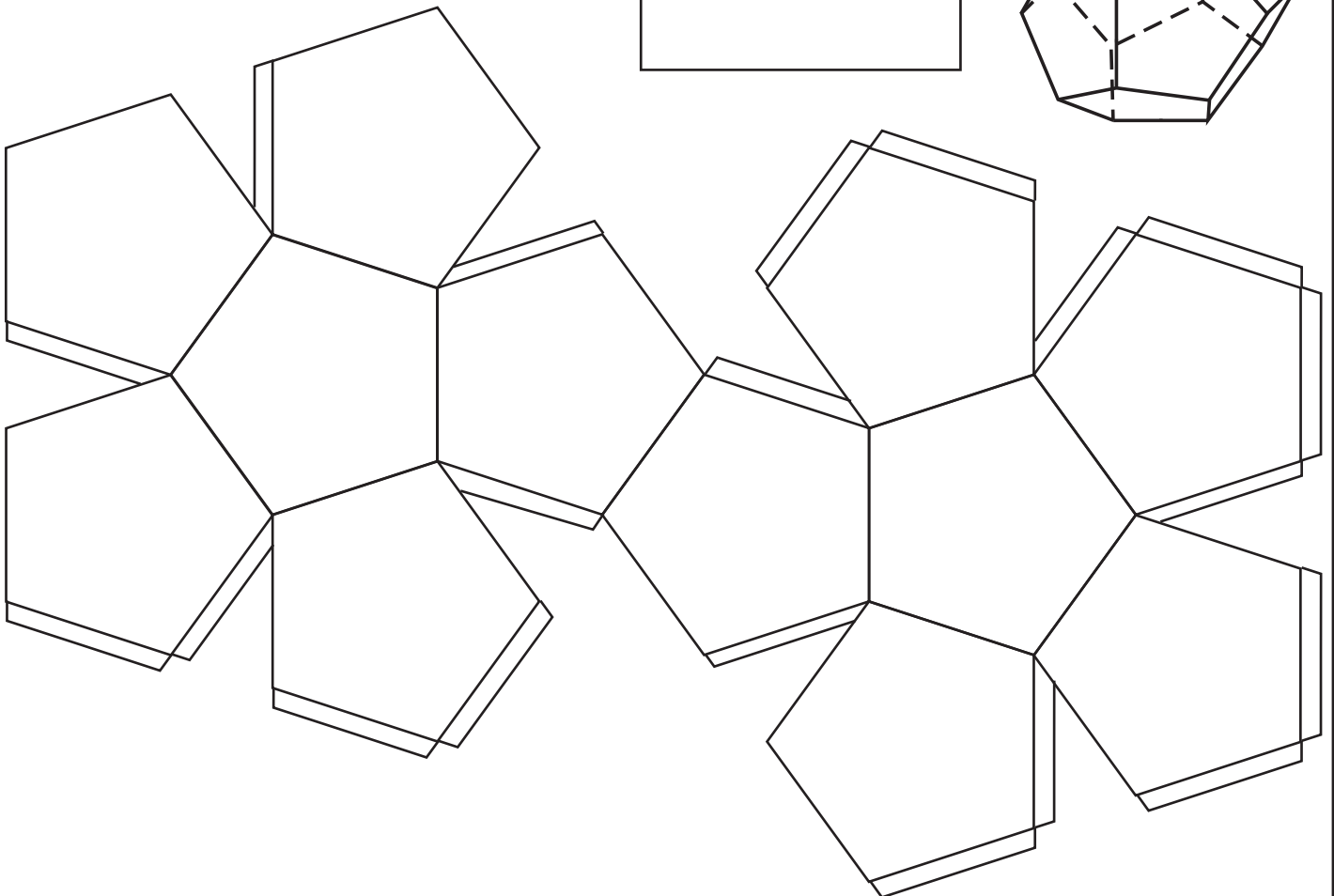
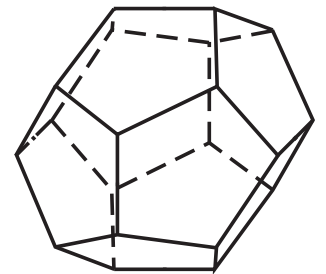
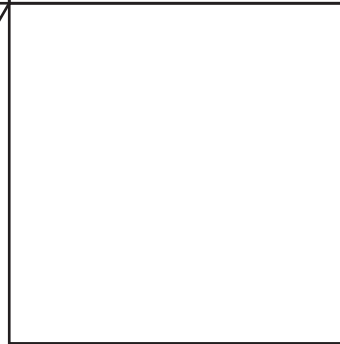
PLATONIC SOLID: REGULAR OCTAHEDRON : Air

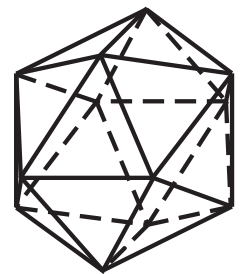
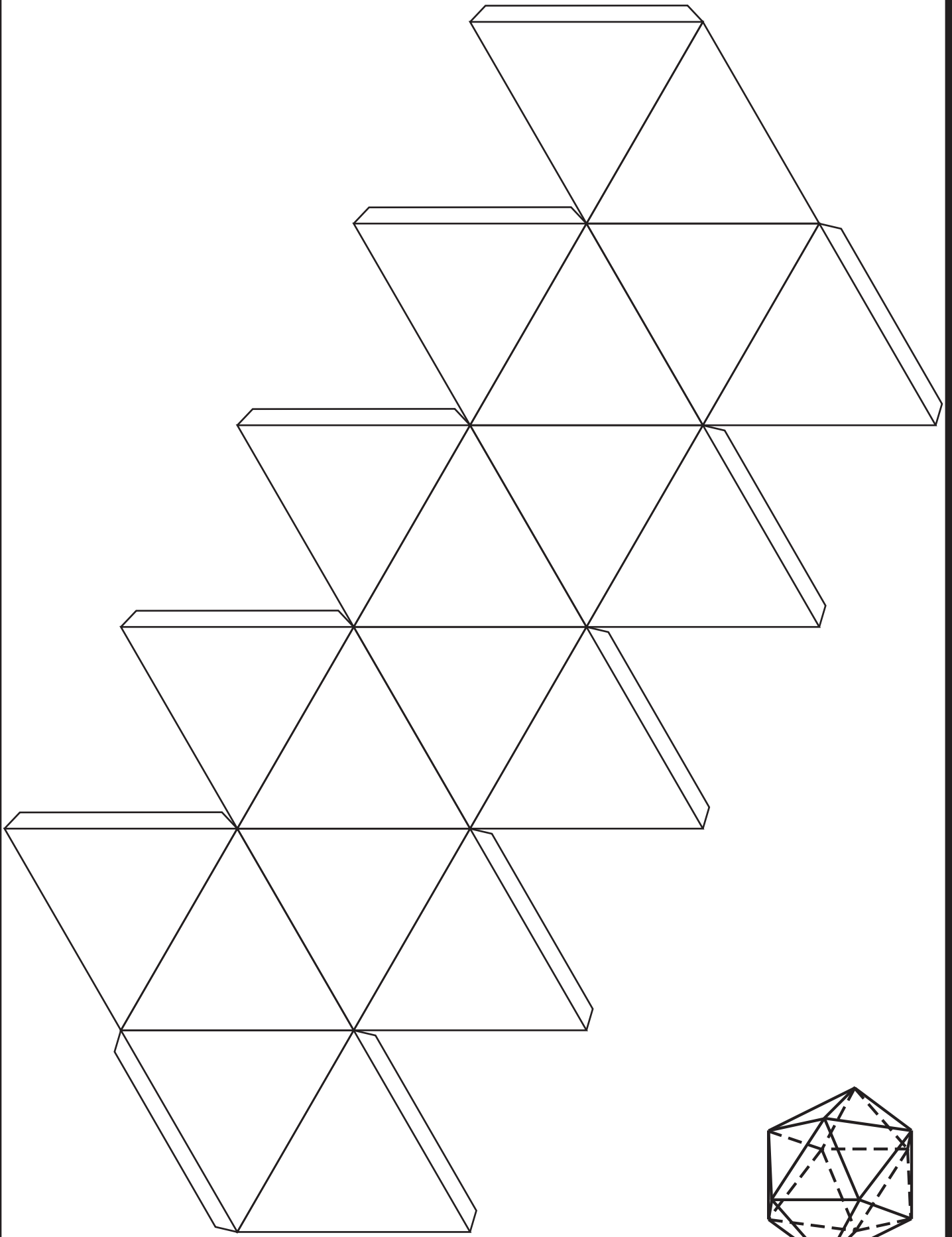


PLATONIC SOLIDS:
REGULAR HEXAHEDRON OR CUBE. Earth

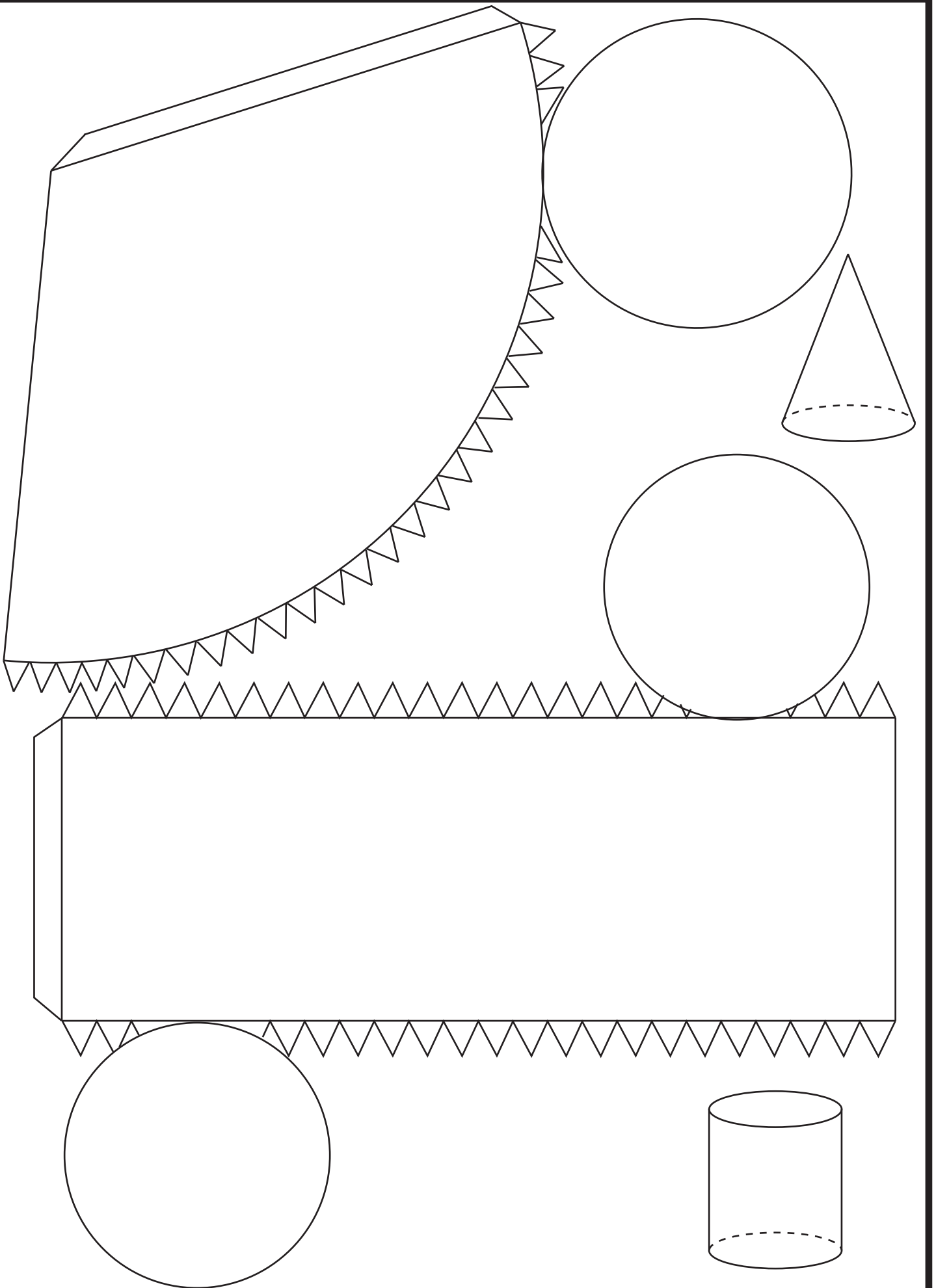


PLATONIC SOLIDS:
REGULAR DODECAHEDRON : Universe



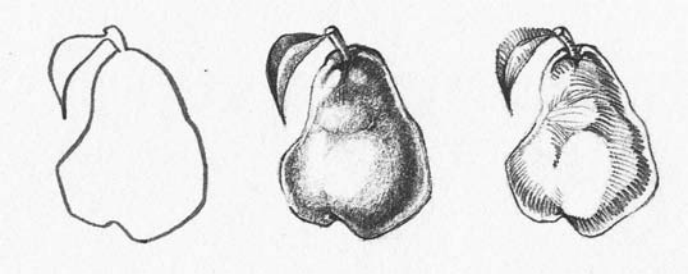


PLATONIC SOLIDS: REGULAR ICOSAHEDRON: Water



An outline drawing no colored or with no infill or shadows appears to be a flat shape. That is to say, It could be a drawing of a piece of paper, wood, paper or metal with a (flat) shape , with no volume. If, in an opposite way, we want to depict the volume of an object we must use chiaroscuro.

Three pictures of a piece of fruit are shown on the right. The first one consists of an outline drawing. The following two are depicted with a chiaroscuro infill which helps understand the fruit's volume; the middle drawing has been depicted with ranged shadows while the third one has been depicted with a line hatching.

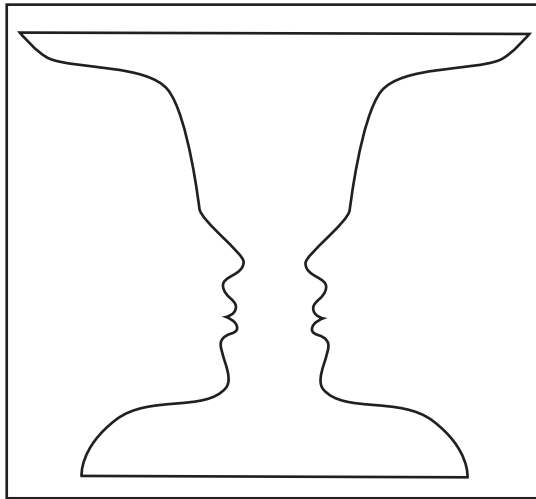


In this worksheet you will have to do the same thing as shown in the example but with an ambiguous figure that could be either a vase or cup or two faces staring to each other.

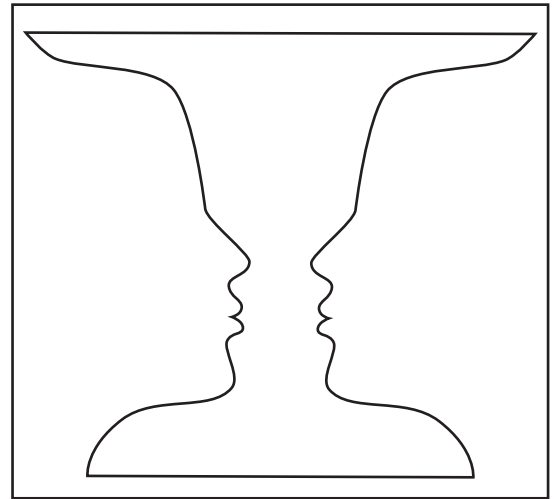
You will have to apply chiaroscuro to the white spot in order to break the ambiguity of the image. Do it twice: one of them with ranged shadows and the second with a line hatching as the example above shows.



Ambiguous figure:
Two faces or a vase



Vase with ranged shadows (Shading)



Vase chiaroscuro with Hatching

Below you can see two grids in which you will have to draw a gray scales: one of them with a line hatching and the other with ranged solid colors. In both of them you don't have to touch (draw on) the first left box (white), the right box, the tenth, must be filled with black, the darkest black. In between you must draw the gray scale.

GRAY SCALE WITH SOLID COLORS

--	--	--	--	--	--	--	--	--	--

White

Black

GRAY SCALE WITH A LINE HATCHING

--	--	--	--	--	--	--	--	--	--

White

Black

You must use a black pencil or graphite lead pencil for this worksheet. If you use pencils with different hardnesses you will get a better exercise. Soft lead pencils are named with a B and a number, higher the number is, softer the lead will work. As soft as the lead is (6B, for instance) you will get a darker black easier.

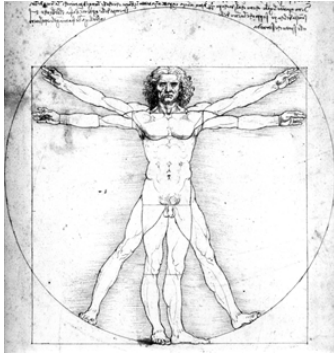
Goup	Last names, Name	Date



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Worksheet title

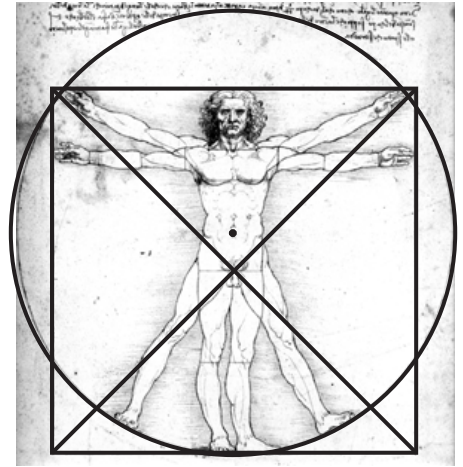
28-VOLUME AND CHIAROSCURO/ SHADING SCALES



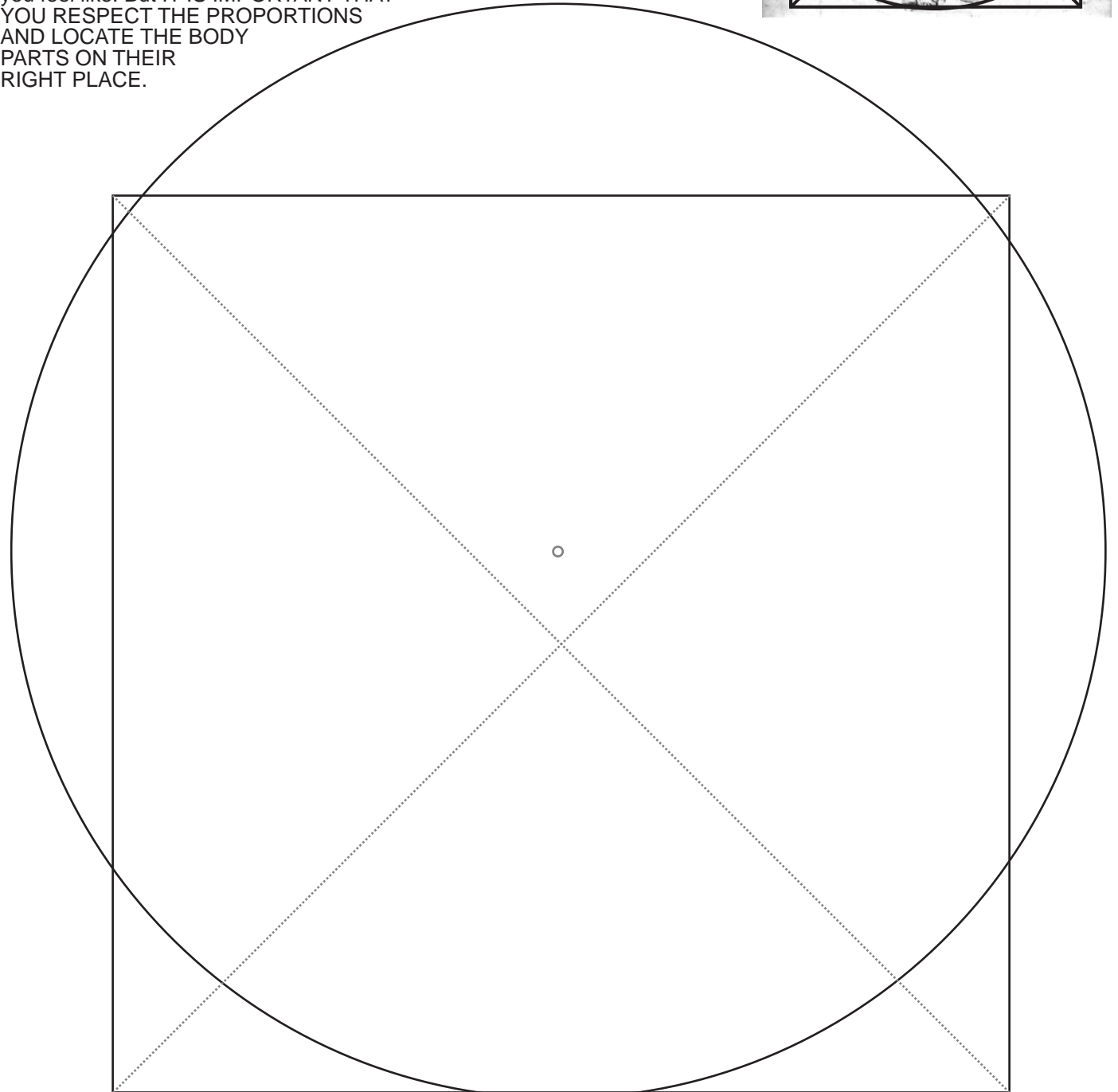
Copy below the human figure paying special attention to the human proportions shown by Leonardo Da Vinci.

This drawing is known as "Vitruvian man" and it was carried out following the texts by Vitruvius, an ancient Roman architect.

On the right you can see as the belly button is located in the center of the circle and the pelvic region in the square center (diagonals intersection). Look up for other references that help you copy the drawing locating properly all the body parts.



You can depict a human figure in a creative way, that is to say, you can make up other character, giving him the appearance (clothing and other things) that you feel like. But **IT IS IMPORTANT THAT YOU RESPECT THE PROPORTIONS AND LOCATE THE BODY PARTS ON THEIR RIGHT PLACE.**



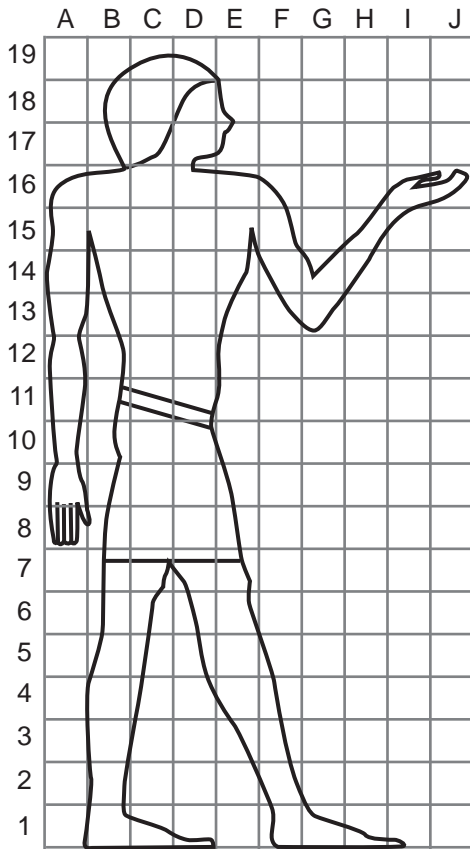
Grupo	Apellido Apellido, Nombre	Fecha



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Título de la lámina

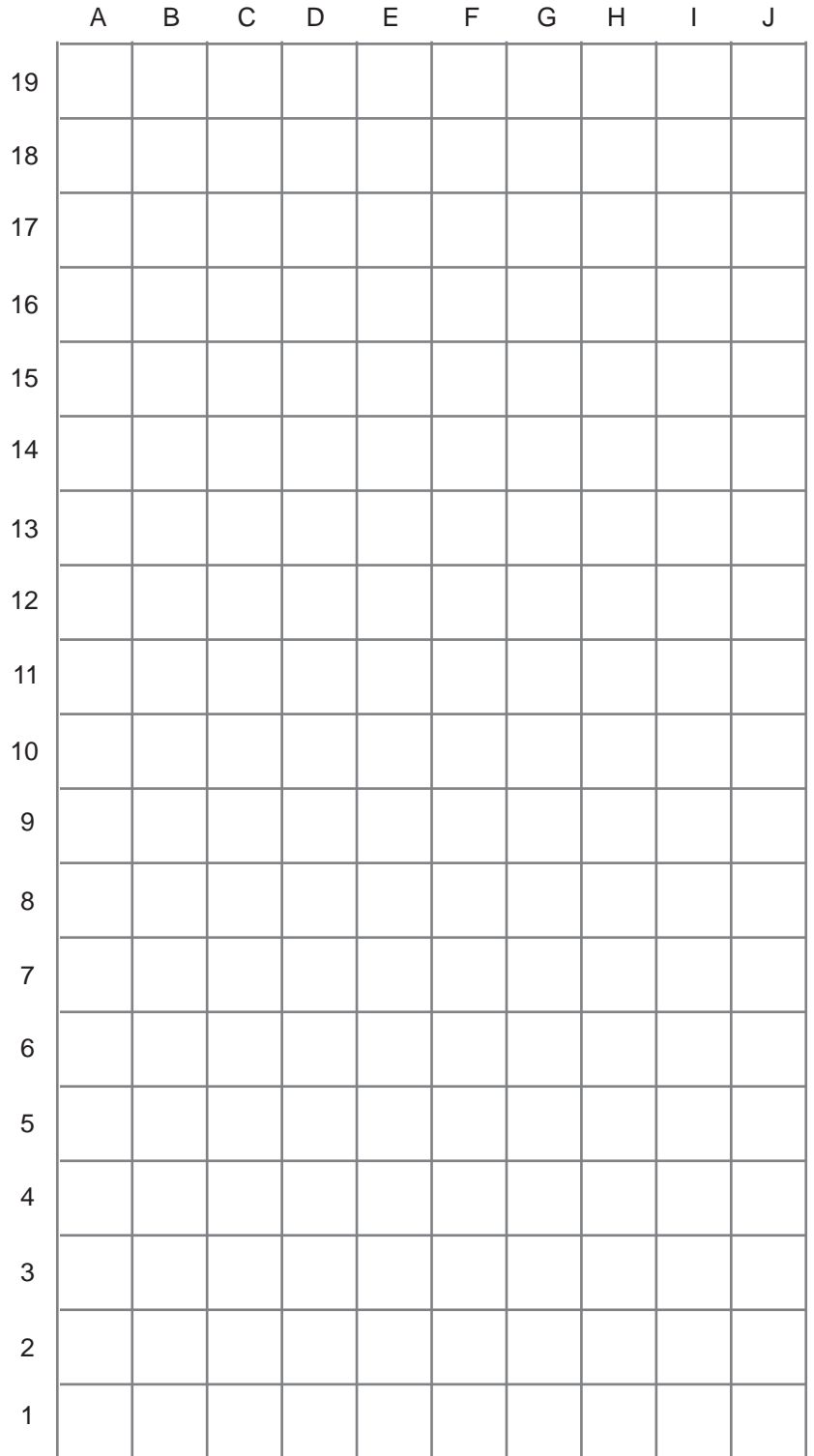
29-HUMAN FIGURE: VITRUVIAN MAN



The Egyptians drew and sculpted human figure following proportions based on the size of a fist.

That way they drew a grid that had between 18 and 22 squares which had the same dimensions as a fist.

Copy the human figure on the left on the empty grid below on the right. Look closely at the elements of the picture and how each item is located in each square. You may find useful placing first specific parts such as the nose, elbows, knees, hands and feet.



When you have completed copying the figure you can characterize it giving it any modern looking according to your likes or hobbies.

Finally give color to the final drawing.

Goup	Last names, Name	Date



In this worksheet you must design a character. Character sheets are meant to keep the character's proportions and main features remain the same in a comic or an animation. Many comic or animations are made by more than one single illustrator so they all keep into account the character sheets to make sure the character doesn't change from one illustrator to another or from different moments of the making process. You need to draw a full body front, back, 3/4 and profile as well as two motion poses and two main face gestures.

Group	Last names, Name	Date



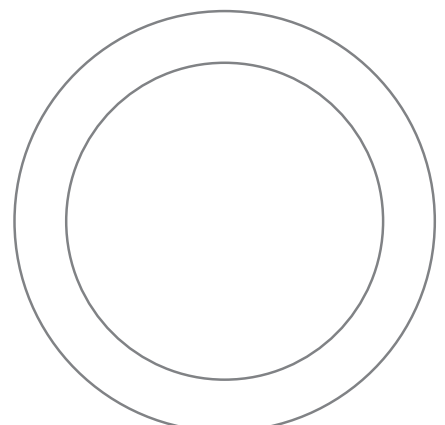
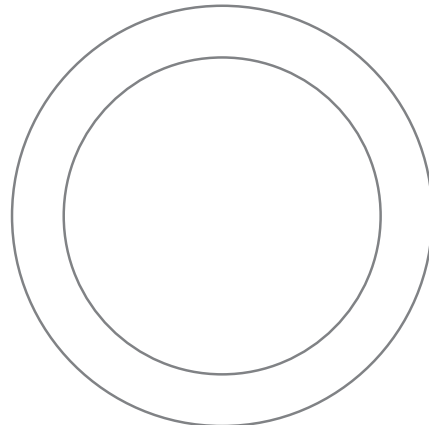
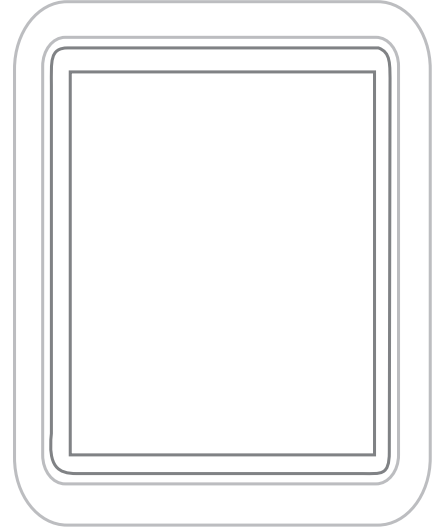
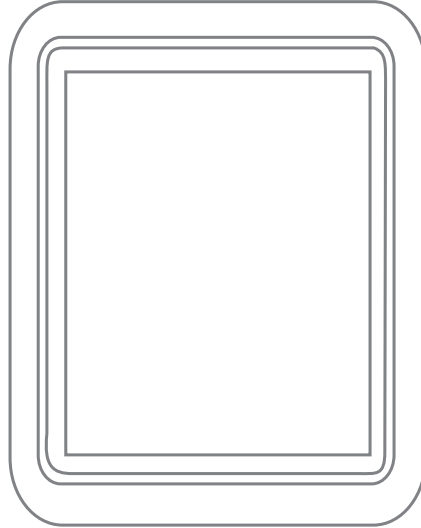
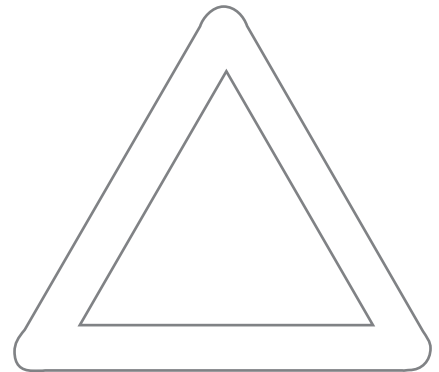
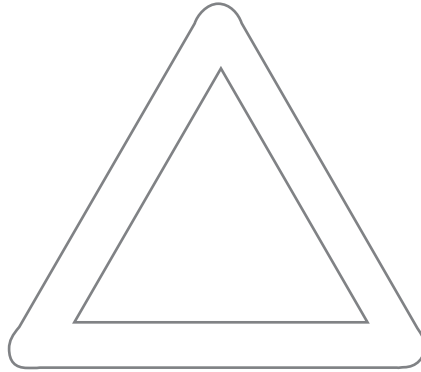
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Worksheet title

31-CHARACTER SHEET

The road **signs code** uses **shapes and colors** to give us certain information. A **triangular** sign is warning us of a **danger** and is **framed with red**. The **quadrilateral** or squared signs are usually **blue** and just give us **different types of information or recommendations**. The round or **circular** signs that are **framed with red** mean some kind of **prohibition** while the ones **framed in gray** usually tell us **the prohibition doesn't work anymore**. If the **circular** sign is **blue** and white, it means that what they are showing (a speed or some other thing) is **obligatory**. Here you have some examples of traffic signs, the first one is warning us of a landslide, the second one about camping availability and the third one is telling us that trucks are forbidden.

Design more signs using this shapes and colors code, you can inspire yourself in daily life, in some circumstances with your friends or at home, problems or rules in your highschool...but you must follow the same colors and shapes as the traffic sign code. Please **BE CREATIVE** and don't just copy images that are already invented, **make up your own!!!**



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