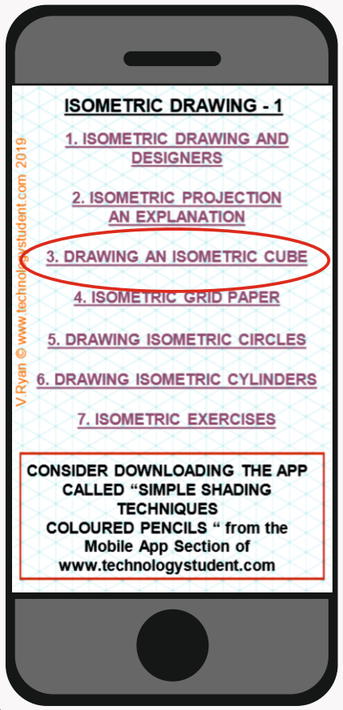


DRAWING AN ISOMETRIC CUBE

TO ANSWER ALL THE QUESTIONS, YOU WILL NEED TO DOWNLOAD THE 'ISOMETRIC DRAWING - 1' APP, FROM THE INTERACTIVE MOBILE APP SECTION OF www.technologystudent.com

LINK

http://www.technologystudent.com/mobapps/isometric1.pdf

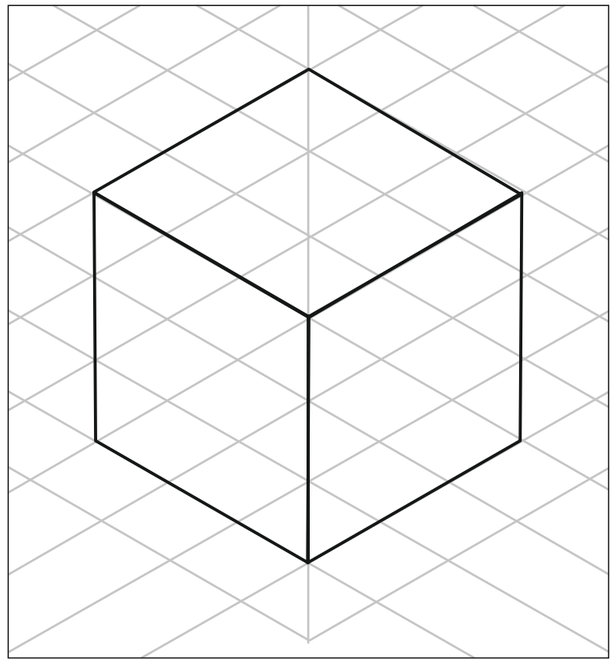
Once you have downloaded the App, you can use it to navigate the website. You may need to follow the links on each page of the App, to research / complete answers to all the questions.

ARE YOU READY?
USE THE MOBILE App!!

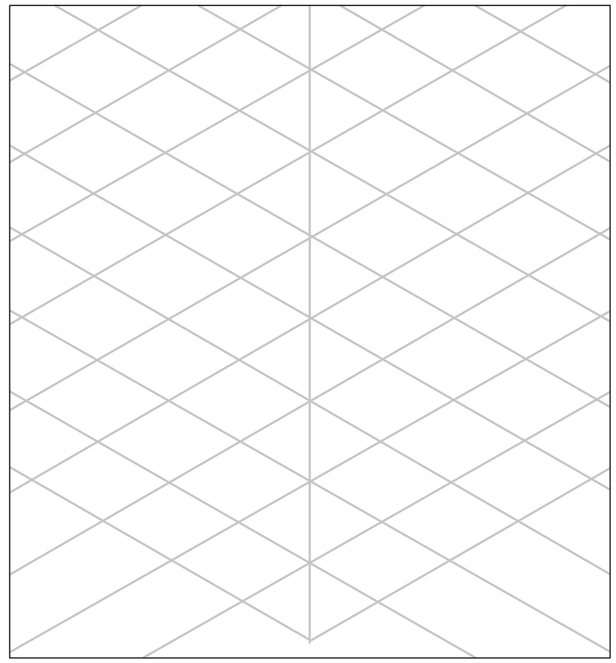
1

A 'sample' isometric cube is seen below. Follow the instructions from the App, to draw your own isometric cube, in the grid alongside the 'sample'.

SAMPLE



YOUR ISOMETRIC CUBE



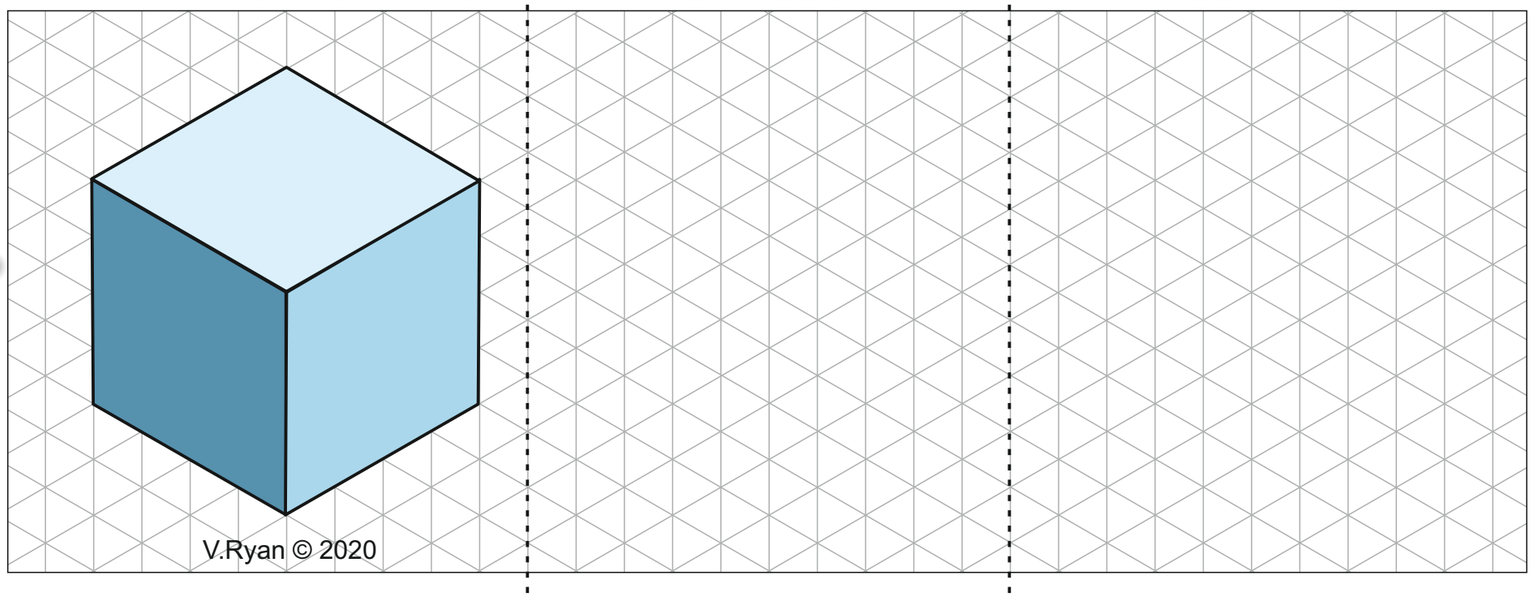
2

An isometric cube is shown opposite. It has been shaded, using a technique called, 'Three Tone Shading'.

Draw two more cubes alongside the original. Add three tone shading to each one.

Start your three tone shading, by selecting a colour and shading the top of the cube faintly. Then, shade the next side a little darker. Shade the final side, darker than the other two.

THREE TONE SHADING | **YOUR CUBE 1** | **YOUR CUBE 2**



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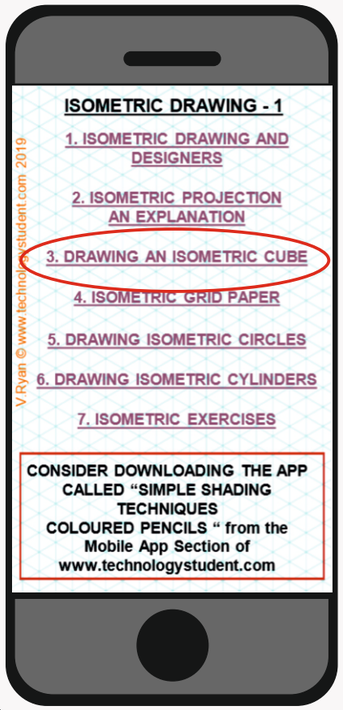

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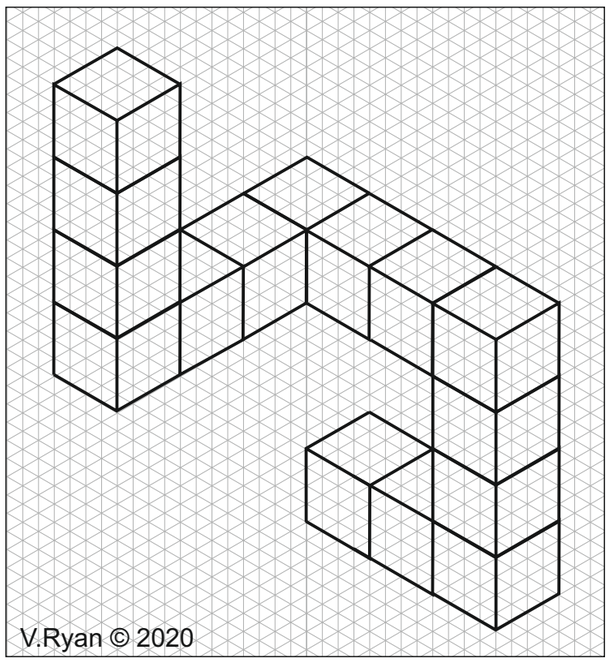
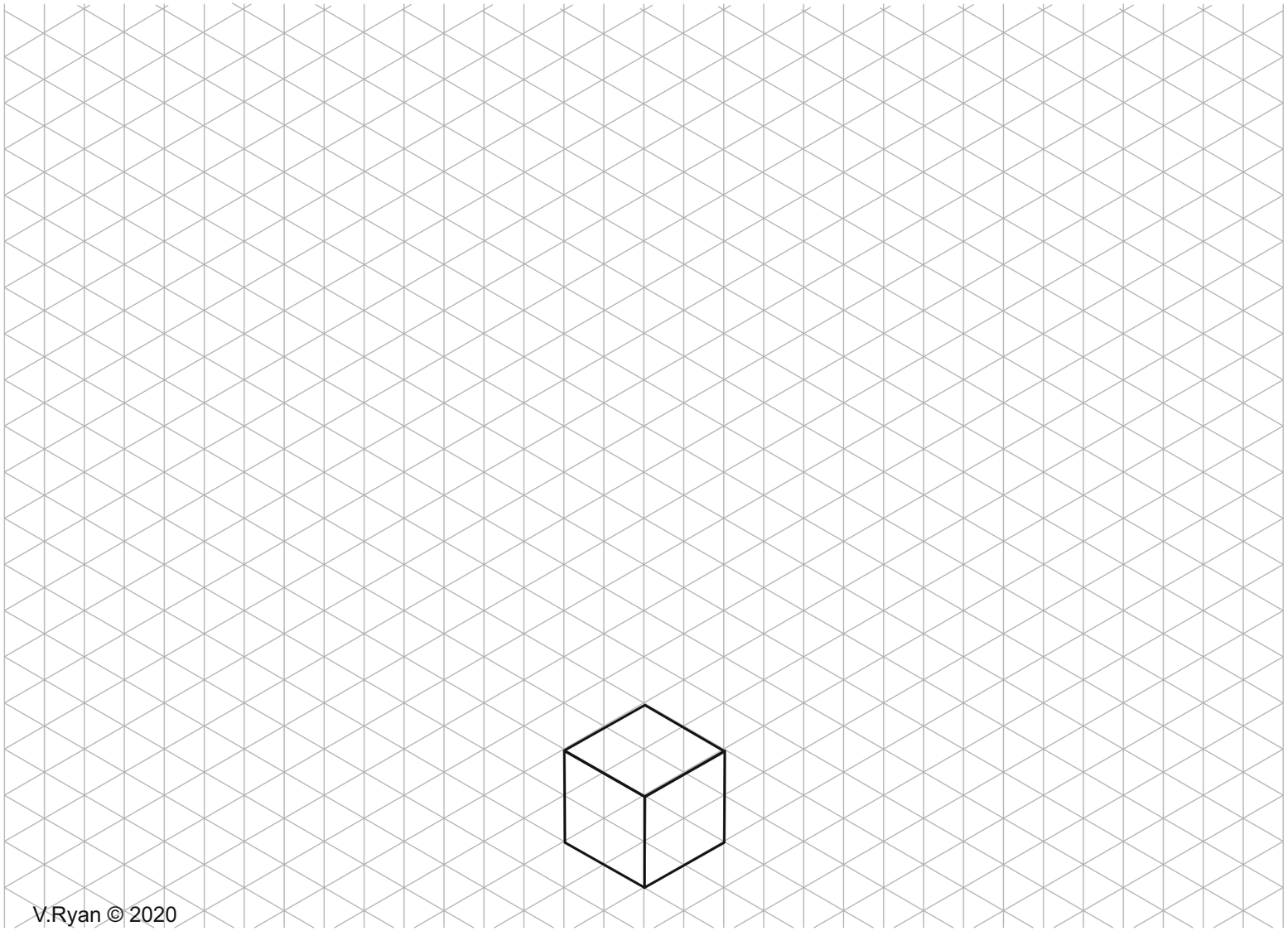
SAMPLE ISOMETRIC PATTERN



1

Using the isometric grid. Build a pattern made up of isometric cubes. Start with the cube drawn at the bottom of the grid. *SEE THE SAMPLE IN THE BOTTOM CORNER.*

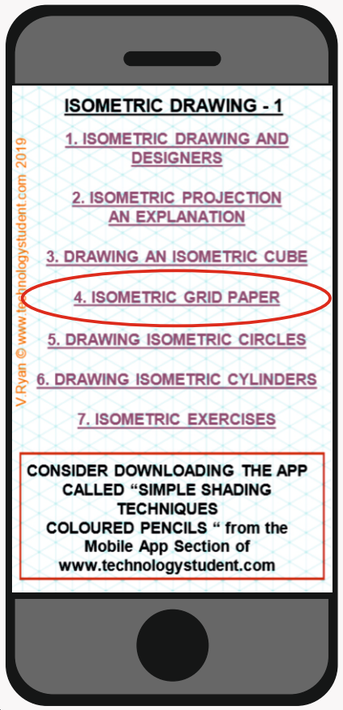
EXTENSION WORK - Add shade (three tone shading or your own technique).



HELPFUL LINK: http://www.technologystudent.com/mobapps/isometric1.pdf

SMART LEARNING - FOR USE WITH THE MOBILE INTERACTIVE PDF Apps FROM www.technologystudent.com

C



ISOMETRIC GRID PAPER EXERCISE

TO ANSWER ALL THE QUESTIONS, YOU WILL NEED TO DOWNLOAD THE 'ISOMETRIC DRAWING - 1' APP, FROM THE INTERACTIVE MOBILE APP SECTION OF www.technologystudent.com

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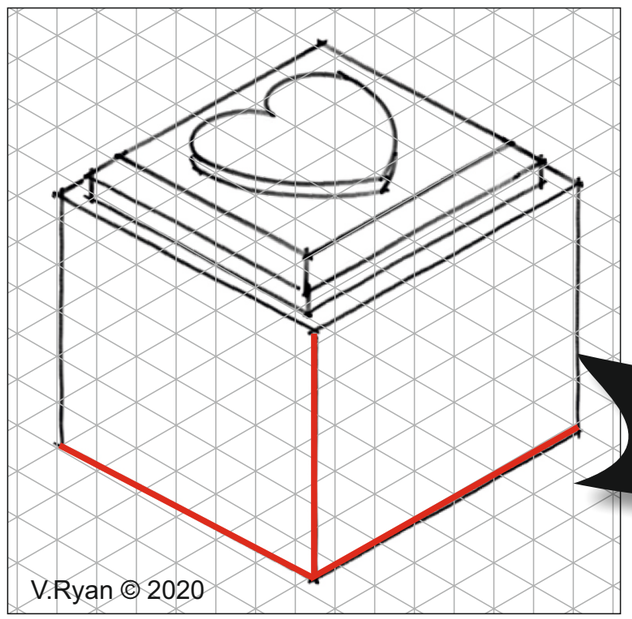
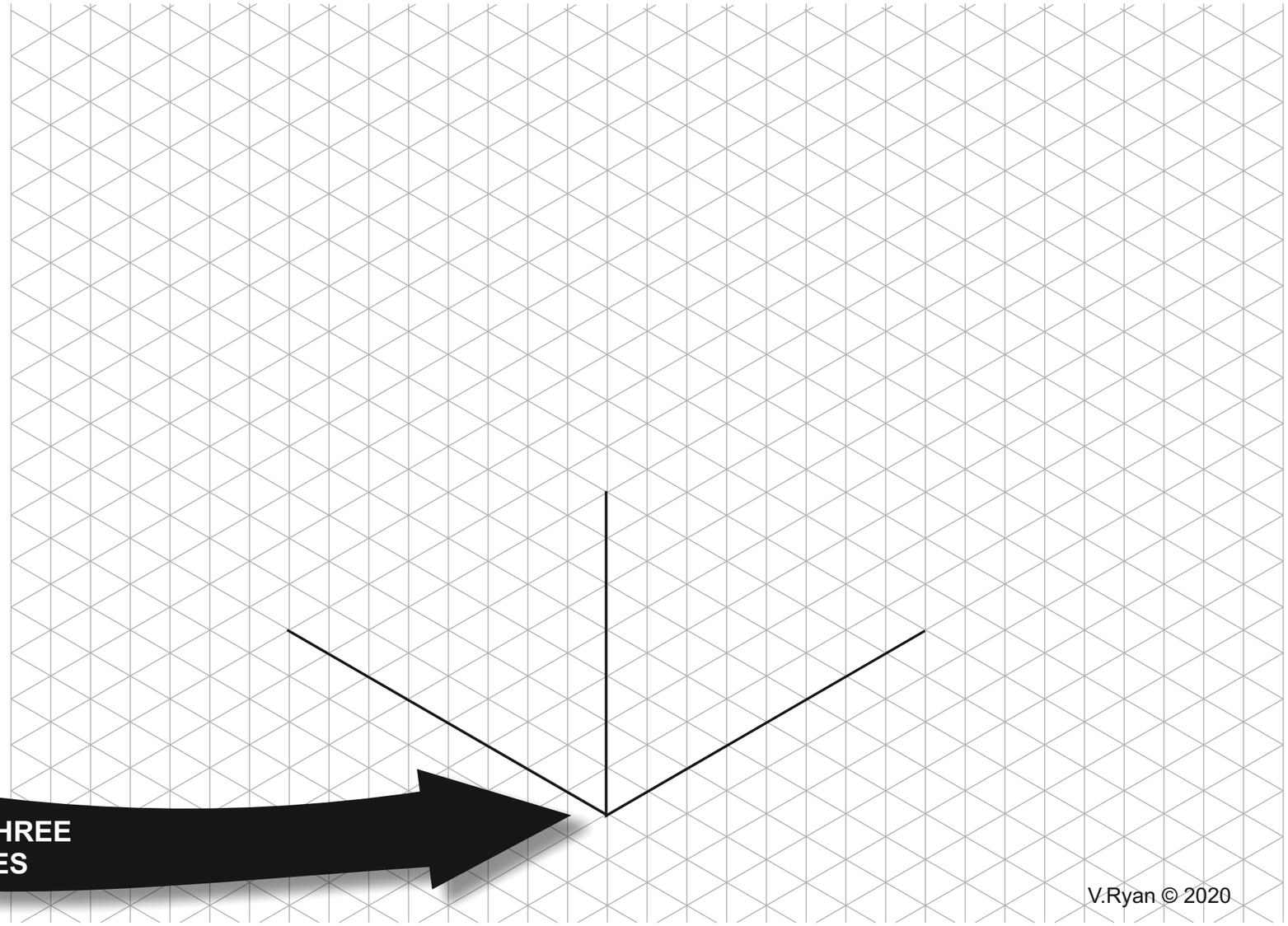
ARE YOU READY?
USE THE MOBILE App!!

SAMPLE ISOMETRIC SKETCH



1

A 3D isometric sketch of a container (SAMPLE ISOMETRIC SKETCH), is drawn in the box at the bottom of the page.
Using the isometric grid below, sketch a larger version of the container. Three front edges have been drawn for you, to help start your sketch.
Follow the instructions from the App, to help you draw the container.
EXTENSION WORK - ADD SUITABLE COLOUR / SHADE



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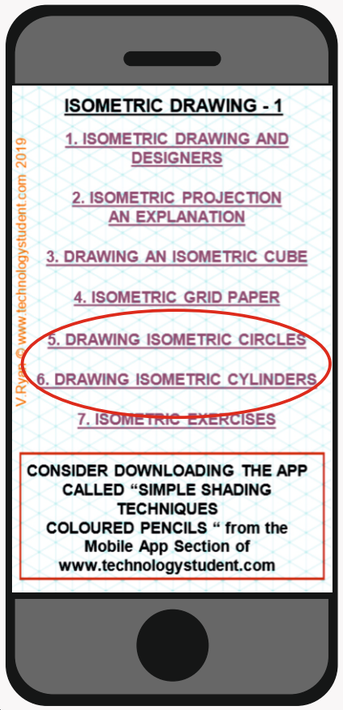

ISOMETRIC CIRCLES AND CYLINDERS

TO ANSWER ALL THE QUESTIONS, YOU WILL NEED TO DOWNLOAD THE 'ISOMETRIC DRAWING - 1' APP, FROM THE INTERACTIVE MOBILE APP SECTION OF www.technologystudent.com

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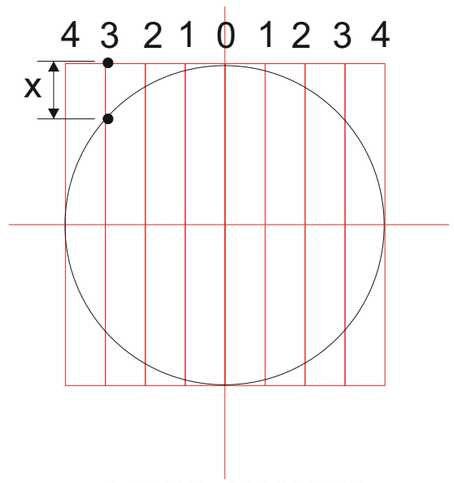
ARE YOU READY?
USE THE MOBILE App!!

2 **Without the aid of an isometric grid, sketch an isometric circle** (freehand sketch)**.**

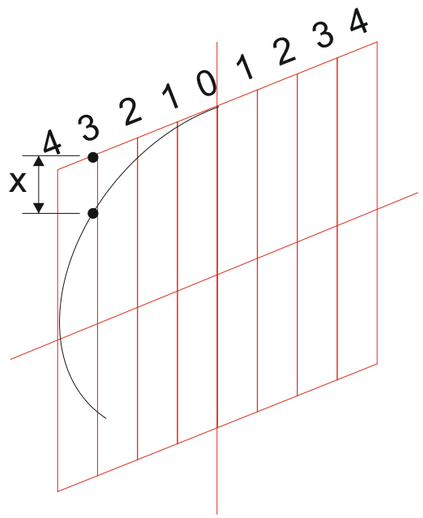
1 **The incomplete isometric drawings of two circles and a cylinder, are drawn below. Complete questions A, B and C.**
Follow the instructions from the App, to help you complete the questions.

Complete the isometric circle, in the grid below.

A.

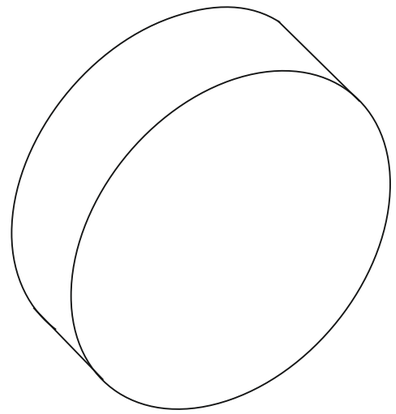


YOUR ANSWER

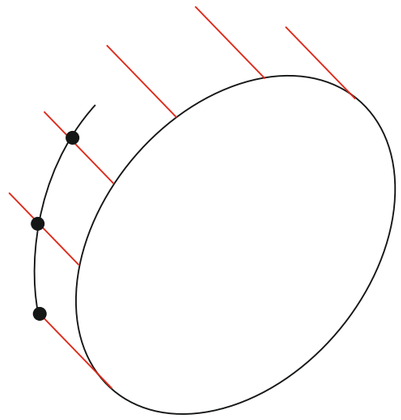


Complete the isometric cylinder.

B.

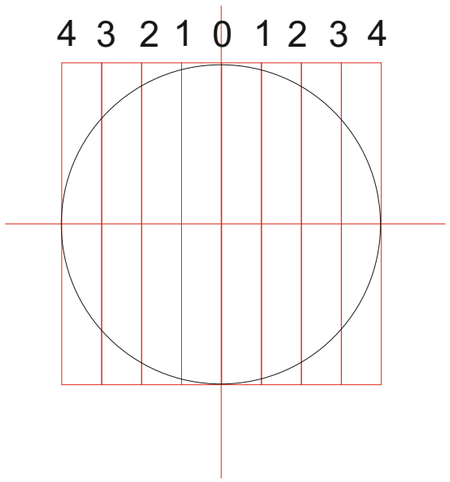


YOUR ANSWER

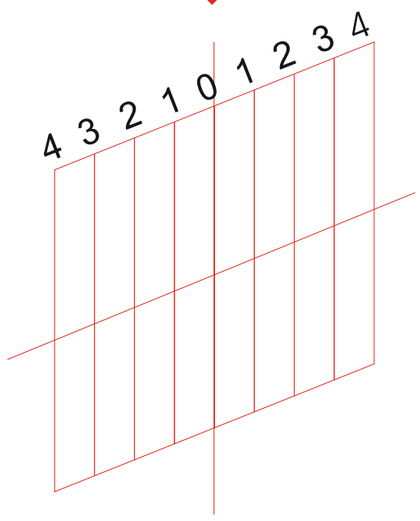


Draw an isometric circle, in the grid below.

C.



YOUR ANSWER



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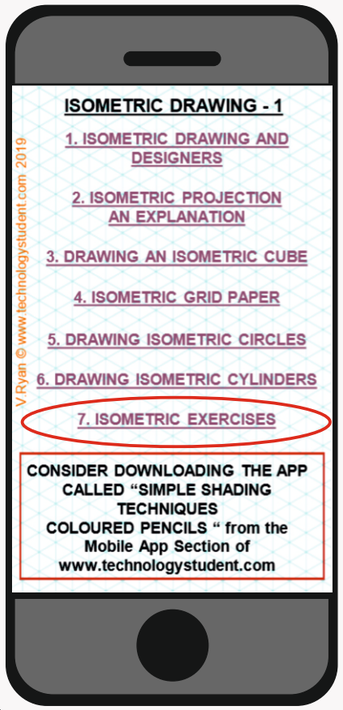

ISOMETRIC EXERCISE

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ARE YOU READY?
USE THE MOBILE App!!

1

Designers use a variety of drawing styles, to communicate their work, to clients and customers. Below is a simple camera. Sketch the camera in isometric projection.

YOUR ANSWER

2

Select a device of your choice and sketch it in isometric projection.

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