

Daily Dollar Questions 2017

Level 4

For Year 7, and Year 8 students.

Curriculum level 4.



What to do.

For students.

1. You may work in pairs or on your own and your teacher or parent can help you.
2. Do the questions.
3. If you are right you will get the dollar value for each question.
4. There are usually 5 questions each day.
5. Each day's questions total \$100 in value.
5. Your teacher will tell you the answers and then you can work out how many dollars you have earned for the day.
6. Add the dollars you have earned each day in the Daily Dollar Questions and get a total which you can compare at the end of the week with others in your class.
7. Perhaps your teacher may award a prize for the highest totals for the week!
8. Good luck !



2017

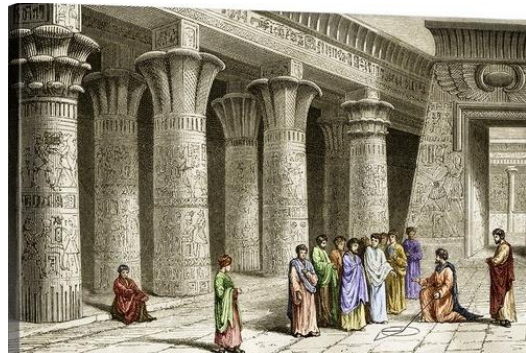
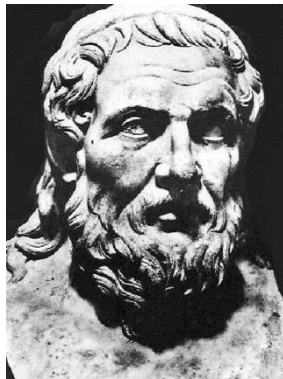
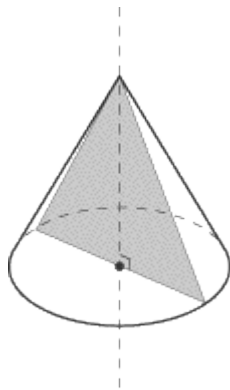
Daily Dollar Questions

Level 4.

Wednesday: **Slicing a Cone!**

The cone is a 3 Dimension mathematical shape which comes from a triangle being rotated about a line through its centre.

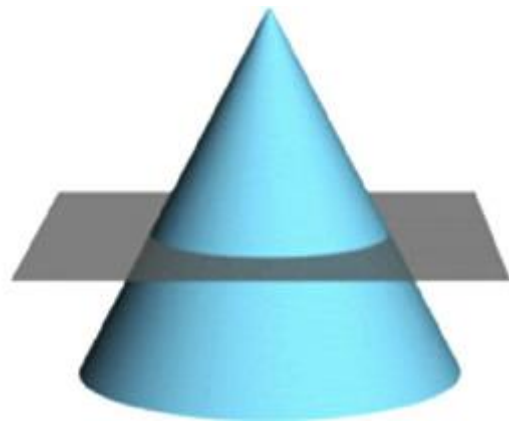
Cones were studied around 200BC by a mathematician called Apollonius of Perga.



The 10 Dollar Question.

The blue cone is sliced as it is in the picture.

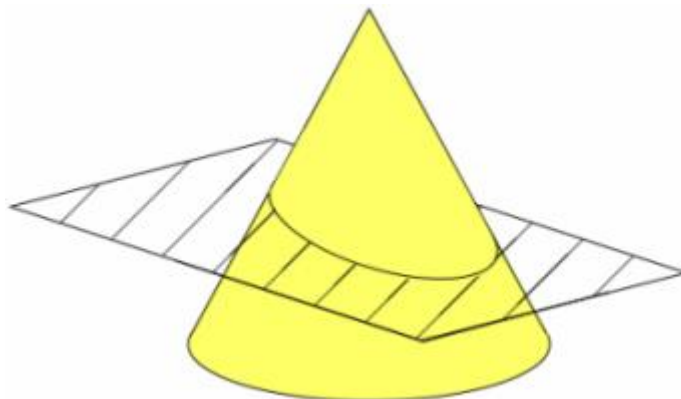
Draw the shape of the cross-section.
What is the name of this cross-section shape?



The 15 Dollar Question.

The yellow cone is sliced as in the picture.

Draw the shape of the cross-section.
What is the name of this cross-section shape?

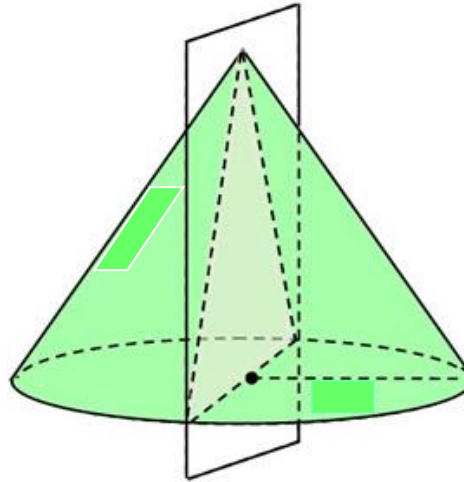


The 20 Dollar Question.

The green cone is sliced as in the picture.

Draw the shape of the cross-section.

What is the name of this cross-section shape?



The 25 Dollar Question.

The grey cone is sliced as in the picture.

Draw the shape of the cross-section.

What is the name of this cross-section shape?



The 30 Dollar Question.

The yellow cone is sliced as in the picture.

Draw the shape of the cross-section.

What is the name of this cross-section shape?

