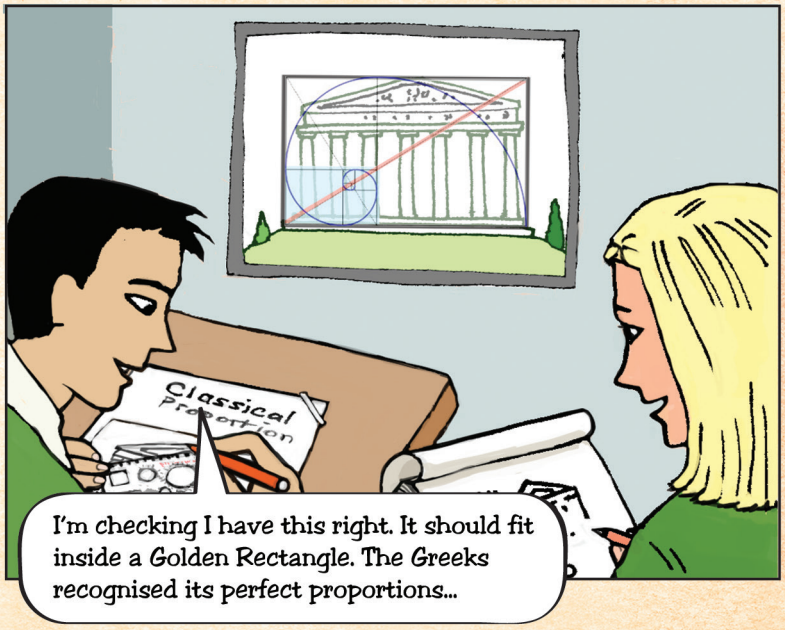
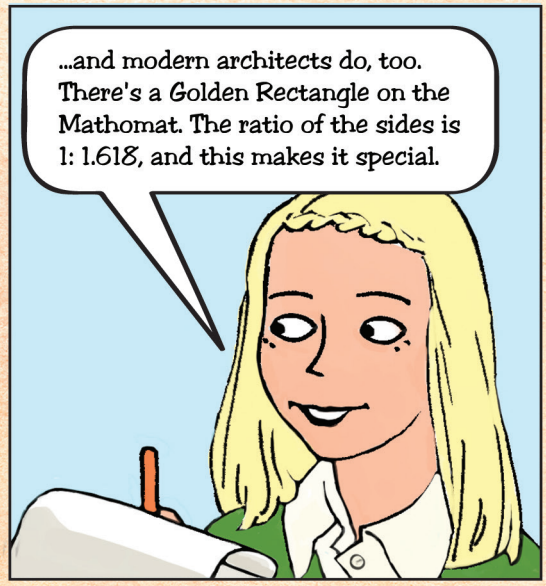
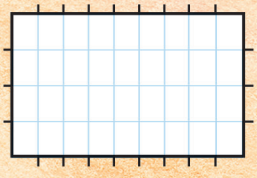
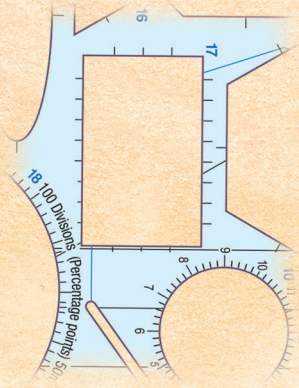
Golden fractions

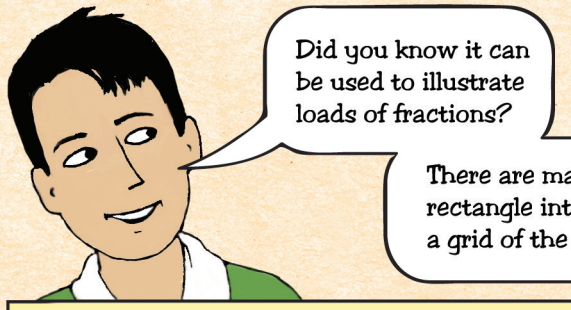
Use Mathomat to illustrate and compare fractions and explore algebra.

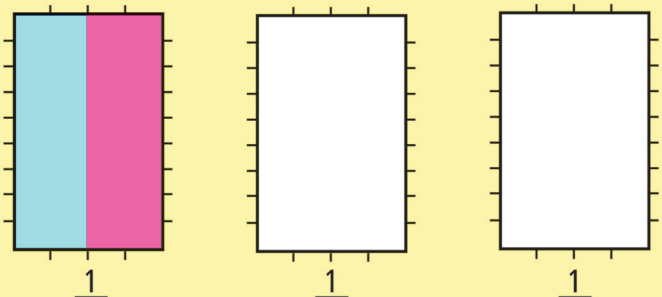




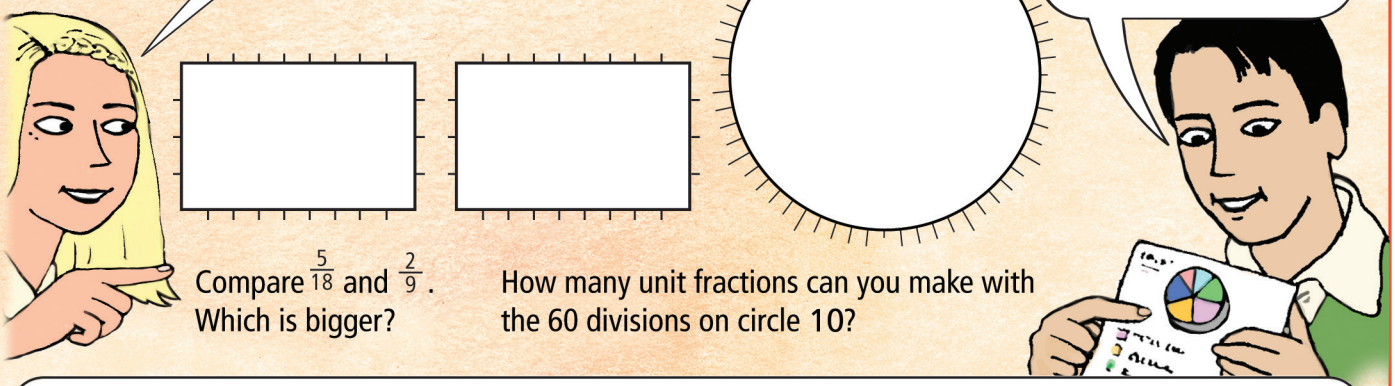








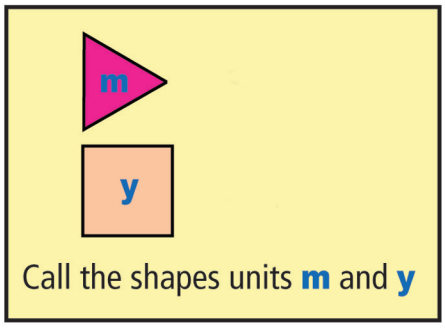
Can you complete these diagrams to show each fraction? Use the markings on the Mathomat shape.



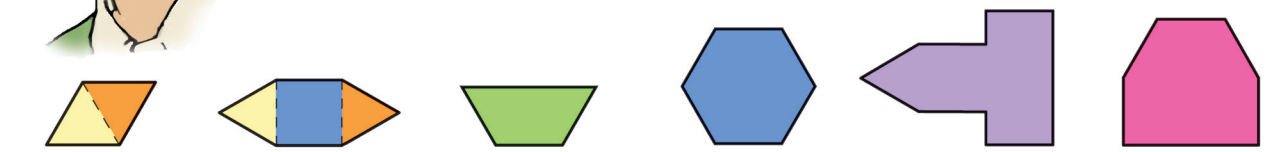
Compare $\frac{5}{18}$ and $\frac{2}{9}$. Which is bigger?

How many unit fractions can you make with the 60 divisions on circle 10?

Can you write in the algebraic expressions for these shapes? The first two are done.



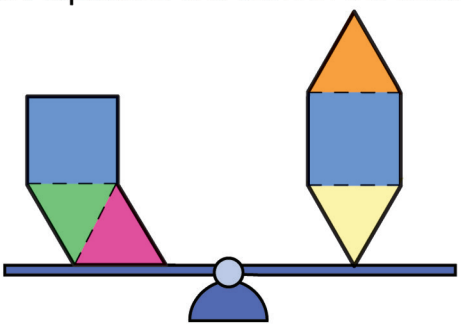
Call the shapes units **m** and **y**



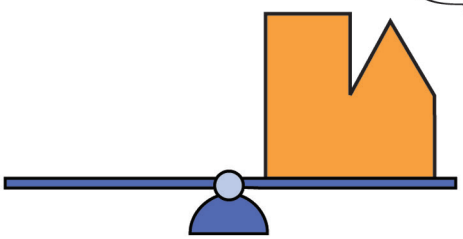
2m	2m + y				

Balancing

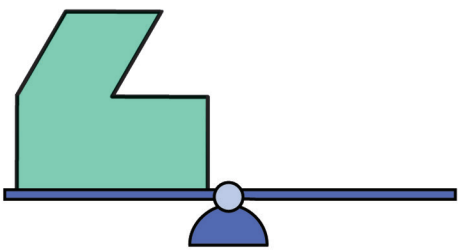
Write in the equations and draw in the missing shapes. The first one is done.



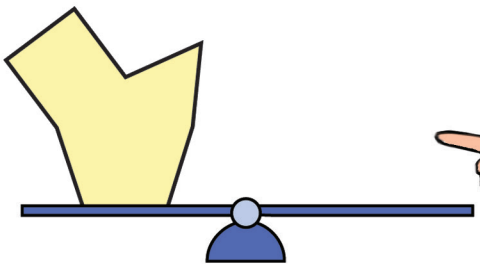
2m + y = 2m + y



= m + 3y



=



a + m + y =

More about **MATHOMAT**

Geometric problem solving (page before)