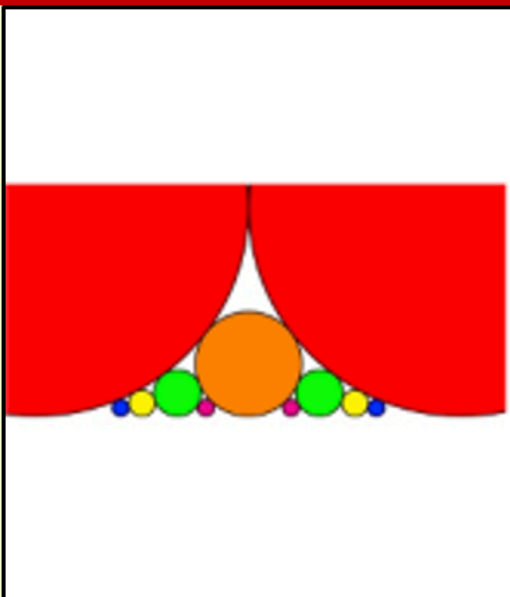




DRAW AND TALK GAME

<https://aiminghigh.aimssec.ac.za/draw-and-talk-game/>



FAMILY OF FORD CIRCLES

These circles touch
their neighbours.

They all touch the horizontal axis
(an infinite circle)

at rational points:

red circles at integer points,

orange circles at $\frac{1}{2}$,

green circles at $\frac{1}{3}$ and $\frac{2}{3}$,

yellow circles at $\frac{1}{4}$ and $\frac{3}{4}$, etc.

Cards have a picture on one side and facts about it on the other. Take turns to pick a card, hiding it from the other players. Give clear instructions to help the others to draw the picture and answer their questions. When they decide to stop drawing, everyone looks at the card and talks about the patterns, shapes, and mathematical ideas they see in the picture. This is not a competitive game, but narrators could mark the players' drawings out of 5 and be marked for their descriptions.