

## Think



- What is this?
- What does it tell you?
- Where would you see a screen like this?
- When would you see one of these?



## Solve



The average resting heartbeat for a child is around 80 beats per minute. How many beats per hour is that?

**Challenge:** How many heartbeats would you have in a day, working on this average?

## Respond



Compile a fact file about the human heart. What interesting facts can you discover? Find as many as you can to amaze your friends.

## Discuss



How important is your heart? Do you know the importance of it and why it needs to be looked after? Do you look after your heart or know how to? Should there be more education for children and adults or is there enough?

## Discover



**Fact:** Heart attacks cause scar tissue amongst normal heart tissue, which can lead to further heart problems or even heart failure. Heart transplants can be performed for those with severely damaged hearts.

**Question:** When was the first human heart transplant carried out? Who was the pioneering surgeon?

## Reimagine



Using the patterns made by a heart rate on a monitor repeat the pattern in different colours as many times as you can on a sheet of paper. What is the effect?

# Heart Answers

How many beats per hour is that?	How many heartbeats would you have in a day, working on this average?
$80 \times 60 = 4800$ per hour	$4800 \times 24 = 115\,200$ per day