

2 Mia rolls a six-sided die 24 times and records the scores. She displays her results in a vertical line chart. This is shown in **Fig. 2.1**.

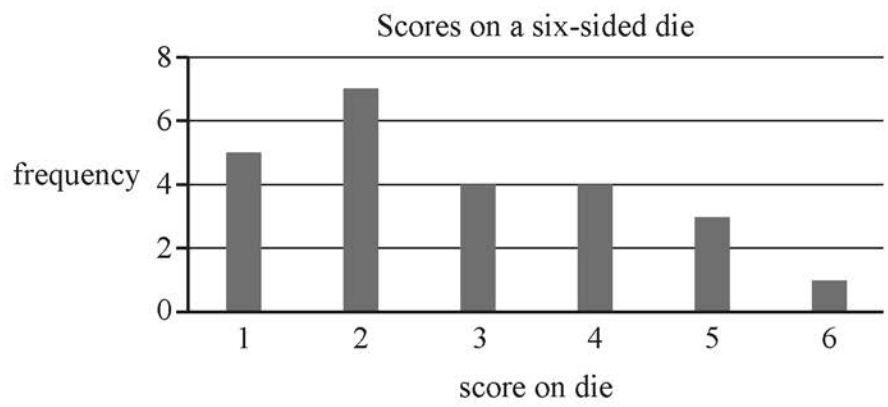


Fig. 2.1

(a) Describe the shape of the distribution. [1]

She repeats the experiment, but this time she rolls the die 50 times. Her results are displayed in **Fig. 2.2**.

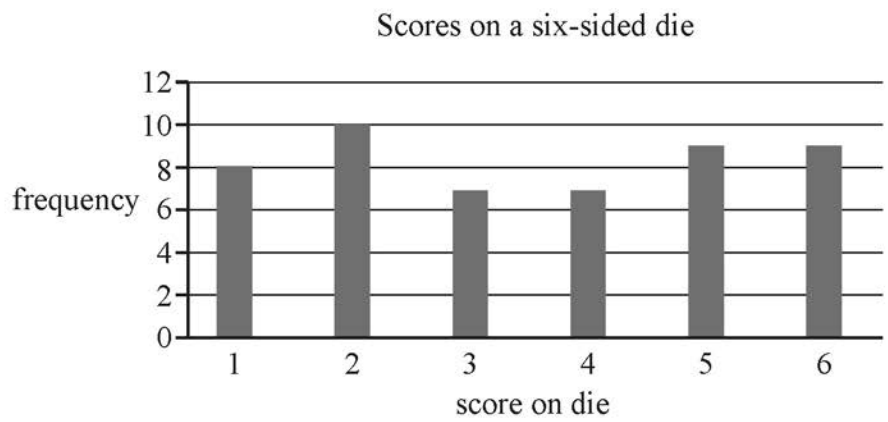


Fig. 2.2

Her brother Kai rolls the same die 1000 times and displays his results in a similar diagram.

(b) Assuming the die is fair, describe the distribution you would expect to see in Kai's diagram. [1]