JRA Tutors
Private tuition and small online Study Pods

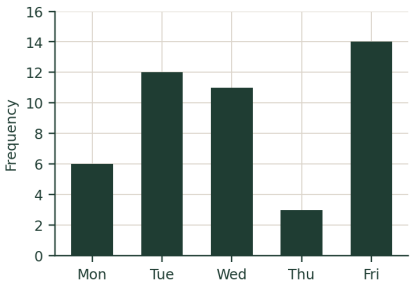
Bar Charts

Grade 2 topic · Foundation and Higher · Edexcel and AQA

How to use this pack
20 questions that get harder as you go. Foundation students: aim for Questions 1–15 (30 marks) and have a go at the rest. Higher students: complete all 20. Show your working on the lines and write your final answer on the answer line, then mark yourself with the answers at the back. Diagrams are not drawn accurately. Total: 50 marks.

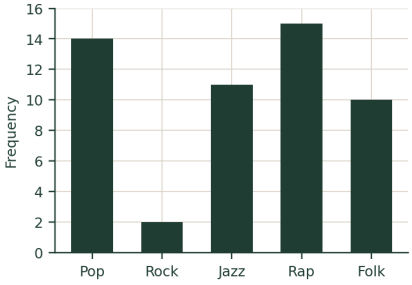
Warm-up

1 The bar chart shows data about 5 categories. What is the frequency for Mon? **[1 mark]**



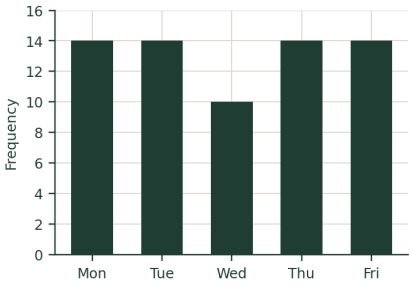
Answer _____

2 The bar chart shows data about 5 categories. What is the frequency for Rock? **[1 mark]**



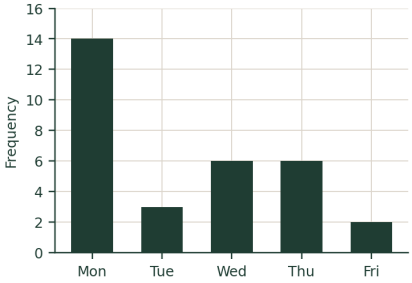
Answer _____

3 The bar chart shows data about 5 categories. What is the frequency for Wed? **[1 mark]**



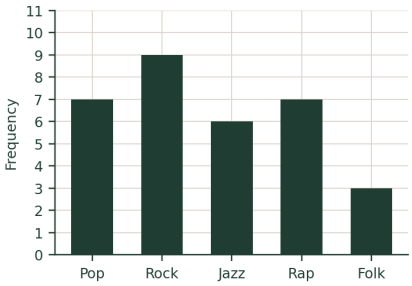
Answer _____

4 The bar chart shows data about 5 categories. What is the frequency for Thu? **[1 mark]**



Answer _____

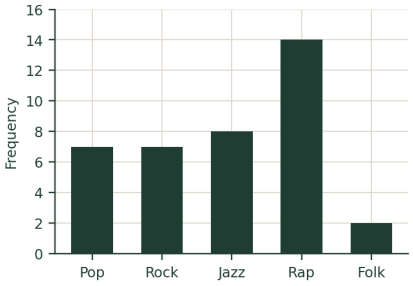
5 The bar chart shows data about 5 categories. What is the frequency for Folk? **[1 mark]**



Answer _____

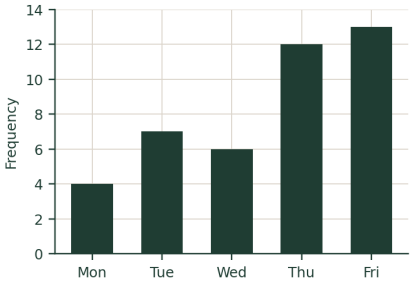
Core

6 How many more are there for Jazz than for Pop? **[2 marks]**



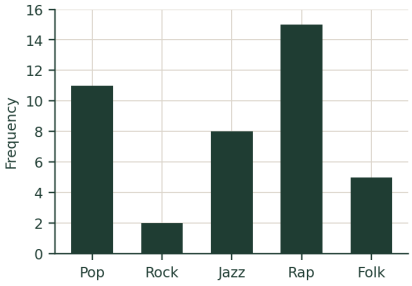
Answer _____

7 How many more are there for Tue than for Wed? **[2 marks]**



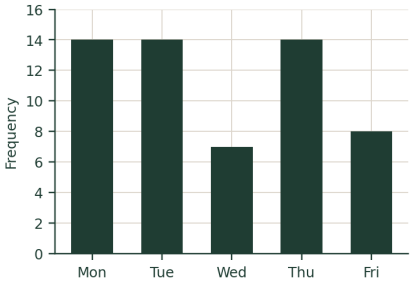
Answer _____

8 How many more are there for Rap than for Jazz? **[2 marks]**



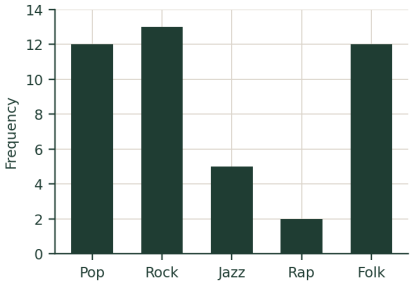
Answer _____

9 How many more are there for Tue than for Fri? **[2 marks]**



Answer _____

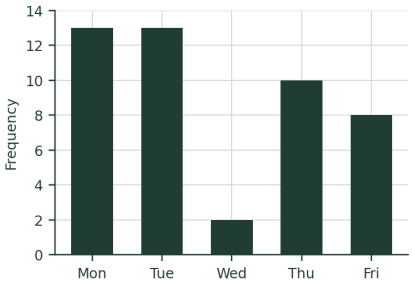
10 How many more are there for Folk than for Rap? **[2 marks]**



Answer _____

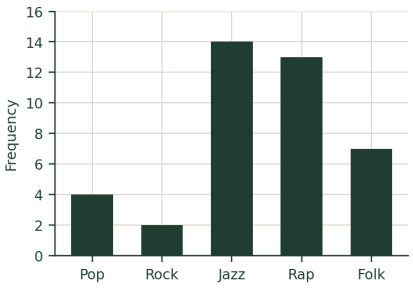
Stretch

11 What is the total frequency? **[3 marks]**



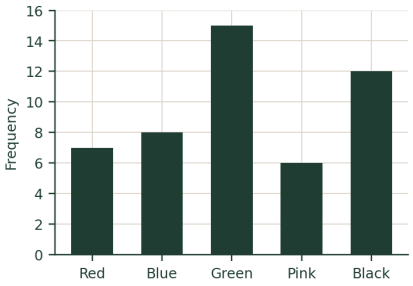
Answer _____

12 Which category is the mode? **[3 marks]**



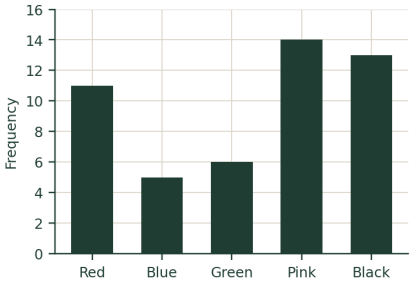
Answer _____

13 What is the range of the frequencies? **[3 marks]**



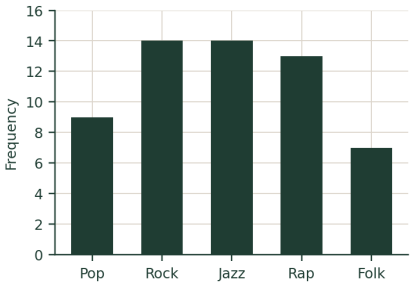
Answer _____

14 What fraction of the total is Red? Give your answer in its simplest form. **[3 marks]**



Answer _____

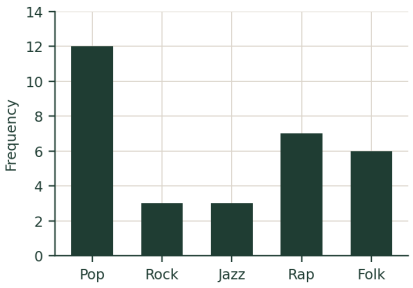
15 What is the mean frequency? **[3 marks]**



Answer _____

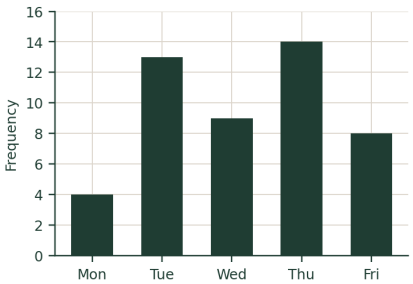
Challenge

16 A sixth bar for 'New' has frequency 12. What is the new total? **[4 marks]**



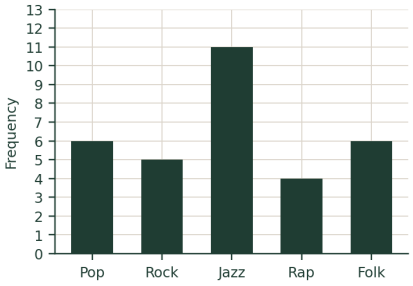
Answer _____

17 What percentage of the total is Mon? Give your answer to 1 decimal place. **[4 marks]**



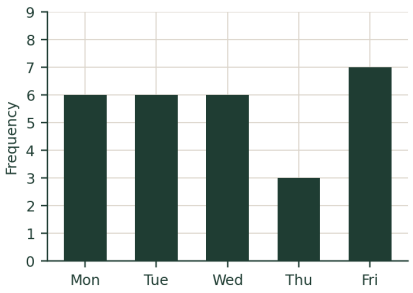
Answer _____

18 How many categories have a frequency above the mean? **[4 marks]**



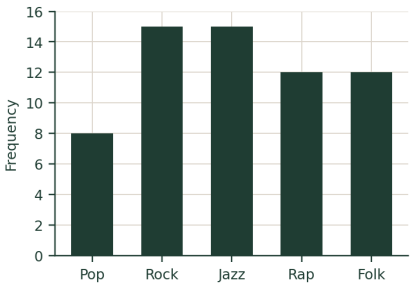
Answer _____

19 The bars for Tue and Wed are combined. What is the combined frequency? **[4 marks]**



Answer _____

20 What is the median frequency? **[4 marks]**



Answer _____