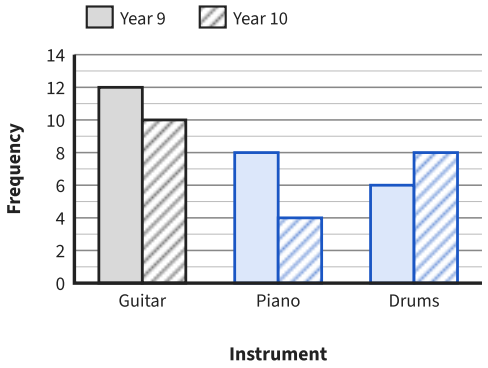
Comparative and composite bar charts

ANSWERS

1

Draw a comparative bar chart for the table. Draw the two bars side by side. Use the key.

Instrument	Year 9	Year 10
Guitar	12	10
Piano	8	4
Drums	6	8

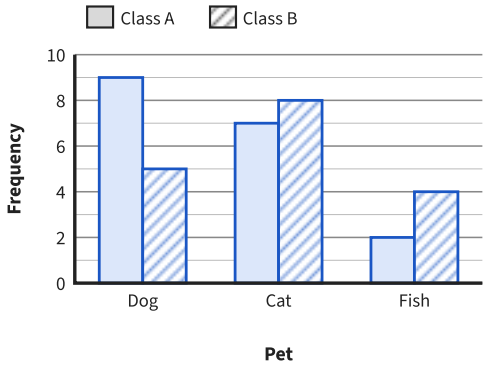


How many more in Year 9 than Year 10 chose piano? 4

2

Draw a comparative bar chart for the table. Use the key.

Pet	Class A	Class B
Dog	9	5
Cat	7	8
Fish	2	4

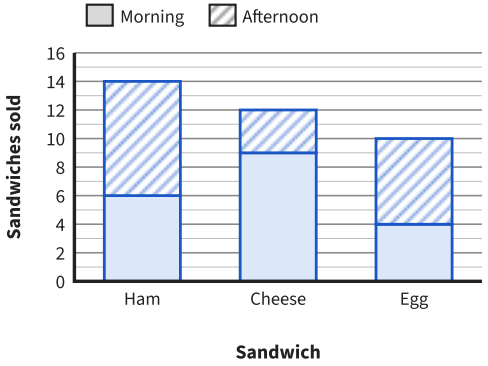


Which pet has the biggest difference between the classes? Dog

3

Draw a composite bar chart for the table. Put morning at the bottom of each bar.

Sandwich	Morning	Afternoon
Ham	6	8
Cheese	9	3
Egg	4	6

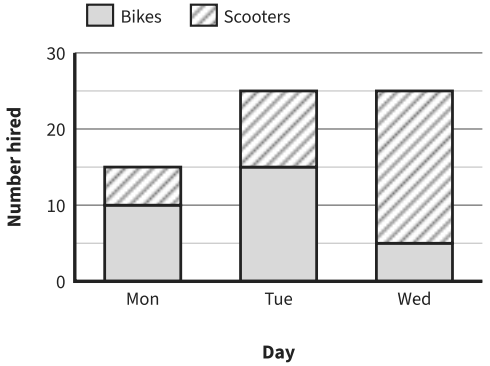


How many cheese sandwiches were sold altogether? 12

4

Complete the table from the composite bar chart.

Day	Bikes	Scooters
Mon	10	5
Tue	15	10
Wed	5	20



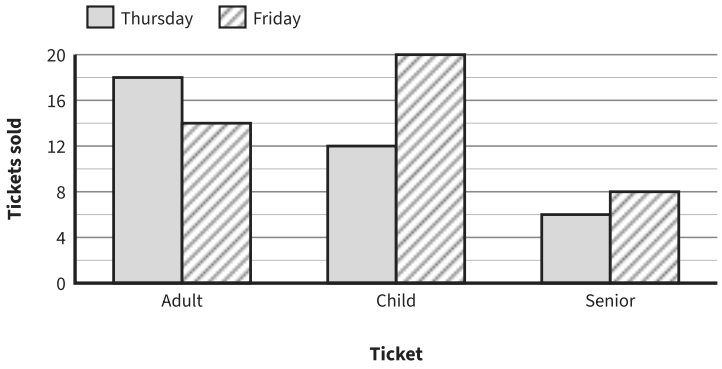
How many scooters were hired on Wednesday? 20

Comparative and composite bar charts

ANSWERS

5

The comparative bar chart shows tickets sold for a school play. Which type sold more on Thursday than Friday? Write a sentence with the numbers in it.

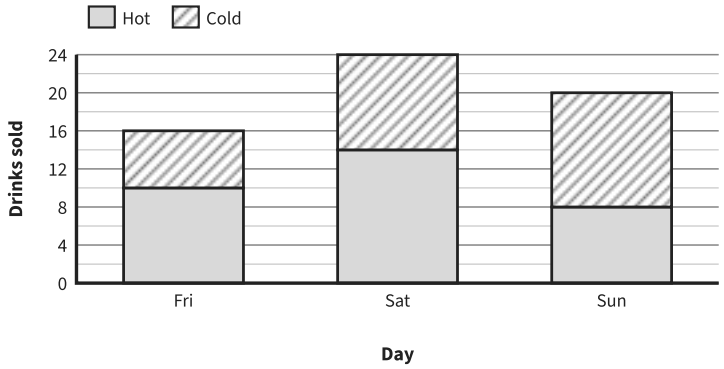


Type Adult

Sentence Thursday 18 adult, Friday 14: 4 more

6

Ben says 24 cold drinks were sold on Saturday. What has Ben done wrong? How many cold drinks were sold?



Wrong 24 is the total

Cold drinks 24 – 14 = 10

7

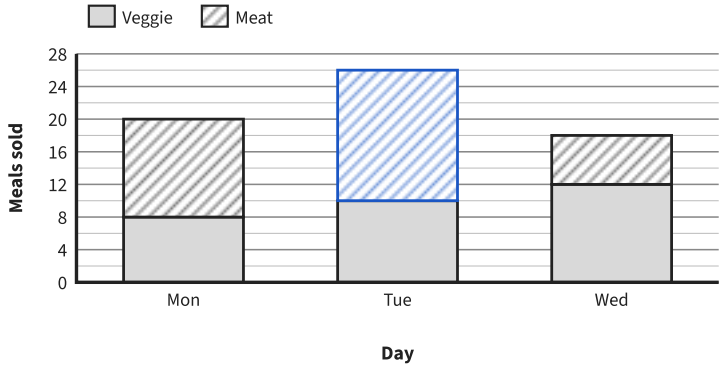
Write each type of data in the right box.

Type of pet | Number of cars | Length of a worm | Brand of trainers | Time to finish a puzzle | Number of emails

- **Data**
  - **Qualitative** described in words
    - Type of pet
    - Brand of trainers
  - **Quantitative** numbers
    - **Discrete** counted
      - Number of cars
      - Number of emails
    - **Continuous** measured
      - Length of a worm
      - Time to finish a puzzle

8

A café sold 26 meals on Tuesday altogether. Draw the missing meat section for Tuesday.



Meat meals on Tuesday 26 – 10 = 16

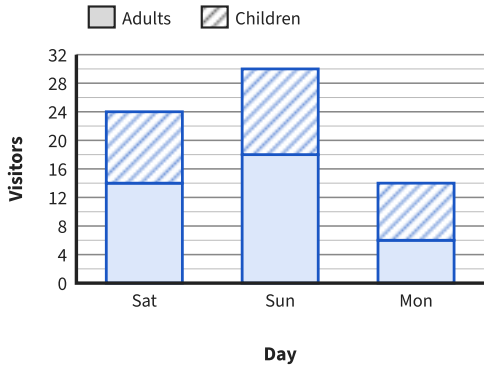
Comparative and composite bar charts *further practice*

ANSWERS

9

Draw a composite bar chart of the visitors to a farm.

Day	Adults	Children
Sat	14	10
Sun	18	12
Mon	6	8

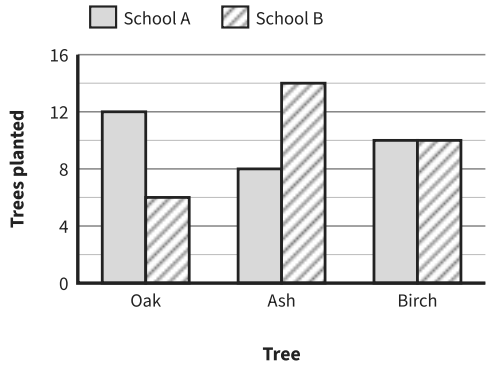


How many visitors on Sunday altogether? 30

10

Complete the table from the comparative bar chart.

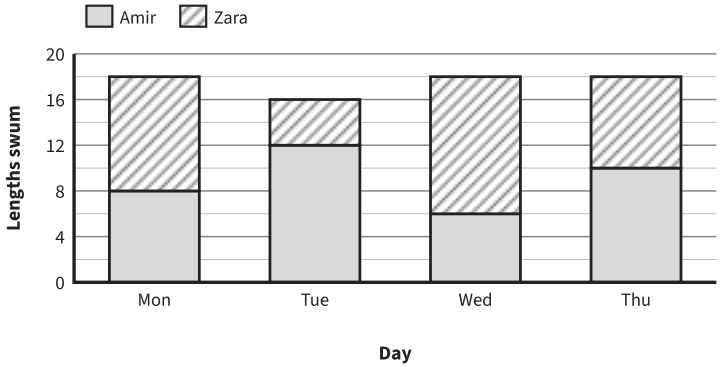
Tree	School A	School B
Oak	12	6
Ash	8	14
Birch	10	10



How many trees did School B plant altogether? 30

11

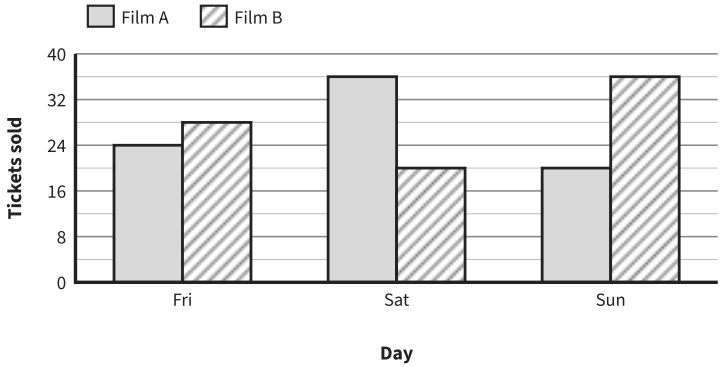
The composite bar chart shows the lengths Amir and Zara swam. On which day did Zara swim the most lengths? How many?



Day Wed **Lengths** 12

12

The comparative bar chart shows the tickets sold for two films. Which film sold more altogether? Write a sentence comparing Saturday.



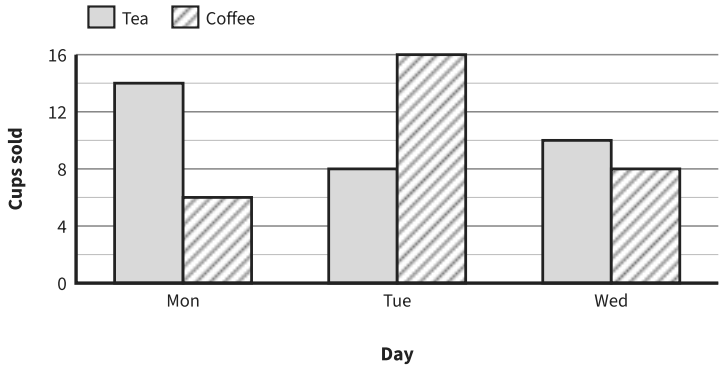
Film Film B (84, not 80) **Saturday** Film A sold 16 more

Comparative and composite bar charts *further practice*

ANSWERS

13

This data is drawn as a comparative bar chart. Which day would have the tallest bar on a composite bar chart? How tall?



Day Tue **Height** 24

14

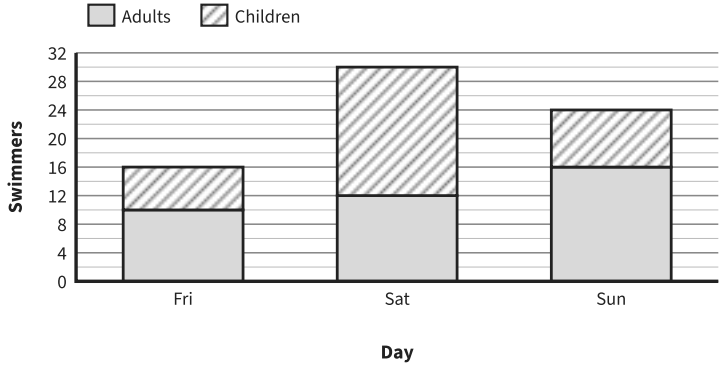
Write each type of data in the right box.

Shoe size | Temperature at noon | Favourite film | Number of steps walked | Mass of a parcel | Colour of a car

- **Data**
  - **Qualitative** described in words
    - Favourite film
    - Colour of a car
  - **Quantitative** numbers
    - **Discrete** counted
      - Shoe size
      - Number of steps walked
    - **Continuous** measured
      - Temperature at noon
      - Mass of a parcel

15

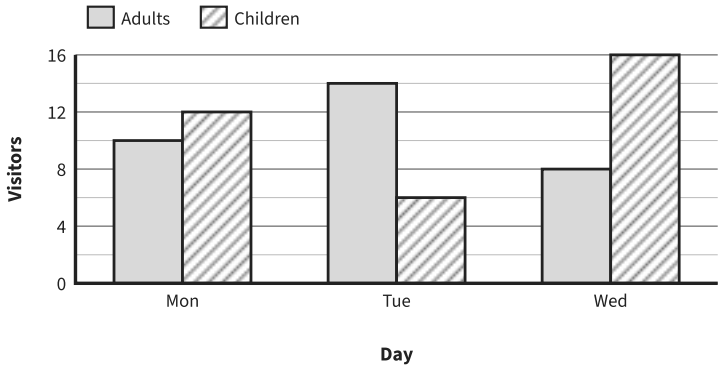
What fraction of Saturday's swimmers were children? Give your answer in its simplest form.



Fraction $\frac{3}{5}$

16

Which day had the most visitors altogether? Would a composite bar chart make this easier to see? Explain.



Day Wed (24) **Explain** Yes: the top of each bar is the total