



Statistics

Contents

Student book answers	1
Assessment	3
Student progress record	8
Assessment answers	9
Objectives	10

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Pages 1–3

- 1a Friday
- **b** Wednesday
- **c** 70
- **d** 45
- **e** 15
- **2a** 1,150
- **b** 1,900
- **3a** 20
- **b** 80
- **c** 70
- d Week 3
- **e** 120
- f Week 2 and Week 4
- **g** 40
- **h** 450
- **4a** 10
- **b** 225
- 5a Pablo
- **b** Heba
- **c** 48
- **d** 40
- **e** 246
- **f** £492



- **a** £276
- **b** Pablo

Pages 4–6

- 1a Rome
- **b** 100 mm
- c London and Sydney
- **d** 45 mm



- a No—add a key to show which bar is which.
- **b** Yes, the title to: Total Rainfall in October and November.
- 3 Answers will vary.



b Answers will vary.



- **b** Week 3 because the most cans were collected.
- **c** 85
- **d** £4.25



b Answers will vary.

Pages 7–8



Pages 9–10

1a 6,000 km²

- **b** 11,000 km²
- **c** 2006
- **d** 5,000 km²
- **e** 8,000 km²
- **f** 9,000 km²
- **2a** No
- **b** No
- **c** 5°C
- **d** 10°C
- **e** 6 mins
- 3a 50 metres
- **b** 15 seconds
- c 47/48 metres
- d 70 metres

Pages 11–12

- 1a 12, 18, 24, 30, 36
- **b** Answers may vary. Sample answer:



- c Answers may vary.
- **2a** 100, 150, 200, 250, 200, 350, 400, 450, 500
- **b** Answers may vary. Sample answer:



- **1a** 8 am
- **b** 1 hour
- **c** 100 km
- **d** 75 km/hr
- e Having lunch or taking a break.
- f 7 hours

2a 5 am

- **b** 6 am, 7 am
- **c** 45
- **d** 8 am
- **e** 10 am
- **f** 11 am





1a	Type of Drink	Tally	Frequency
	Coke	₩ ₩	13
	Juice	₩ ₩	12
	Water	₩ Ш	9
	Lemonade	₩ I	6





Pages 16-17

Bar chart;
 Divided bar graph;
 Pictogram
 Line graph



Pages 18–20 What to do Betty Balaclava Date of birth: 13.05.84 Tattoos Blonde hair 160–169 cm tall What to do next Answers will vary. Page 21 What to do Answers will vary. Page 22 What to do



Pictograms

Name

Jamila's Juice Bar kept a tally of all the juices they sold during Happy Hour on Saturday.

- **a** Complete the total column:
- **b** How many juices were sold altogether?

Juice	Tally	Total
Berry Boost		
Banana Blast	JHT JHT	
Mango Tango	JHT III	
Strawberry Surprise		

Hamburgers Sold

Monday

Key:

=

Draw a pictogram using the information shown in the table (above). Don't forget the key.

Juice	Sales
Berry Boost	
Banana Blast	
Mango Tango	
Strawberry Surprise	
	Key: =

Look carefully at this pictogram. It shows how many hamburgers were sold at Tyler's Takeaway last week.

- **a** If there were 25 hamburgers sold on Monday, what is the key? Fill it in.
- **b** How many hamburgers were sold on Monday and Tuesday?
- c How many more hamburgers were sold on Friday than Wednesday?
- Tuesday Wednesday Thursday Friday
- **d** How many hamburgers were sold altogether?

	•••••		
Skills	Not yet	Kind of	Got it
Interprets the tally method of data collection			
Displays data as a picture graph labelled correctly using a key			
Displays data as a column graph labelled correctly using a scale			
Interprets data from a picture graph using the key			



hamburgers

Bar charts

Name

1 Using the information shown in the table, draw a bar chart to show the information about Happy Hour at Jamila's Juice Bar. Don't forget to write the title and to label the axes.

Juice	Tally
Berry Boost	
Banana Blast	JHT JHT
Mango Tango	JHT III
Strawberry Surprise	



Create a divided bar chart that shows the total number of hamburgers sold at Tyler's Takeaway last week. Label it clearly.



Skills	Not yet	Kind of	Got it
Interprets the tally method of data collection			
Displays data as a column graph labelled correctly using a scale			
Creates a divided bar graph			

2

Line graphs

Name

The line graph below shows the number of boats sold each week at a boat show over 5 weeks.



- **a** By the end of which week did the Southampton Boat Show sell 300 boats?
- **b** How many boats did the Southampton Boat Show sell by the end of Week 4?
- c Estimate how many boats were sold half way through Week 2?
- **d** What was the difference in the amount of boats sold by the end of Week 5 compared to the end of Week 1?
- e How many boats were sold altogether by the end of Week 3?









Skills	Not yet	Kind of	Got it
 Reads and interprets information on a line graph 			



Line graphs

Name

2

On Thursday, Phoebe recorded the temperature every hour from 9 am to 9 pm.

Time	9 am	10 am	11 am	12 pm	1 pm	2 pm	3 pm	4 pm	5 pm	6 pm	7 pm	8 pm	9 pm
Temperature	11 °C	13 °C	15 °C	18 °C	18 °C	17 °C	16 °C	16 °C	14 °C	14 °C	11 °C	11 °C	10 °C



- **a** Draw a line graph to show the temperatures recorded.
- **b** Write a title for the line graph.
- c Label the vertical axis with an appropriate scale.
- **d** Label both axes.
- e Circle the plot that shows the second highest temperature.
- f What might the temperature have been at 4:30 pm?

Skills	Not yet	Kind of	Got it
Constructs a line graph that shows continuous change			
Uses an appropriate scale			
Interprets data based on information shown between plotted points			



Line graphs

Name

This graph shows information about the Martin family's holiday. They travelled from London to Newcastle to stay with relatives for a few days. Study the graph and decide if the following statements are true or false.



Analyse the following travel graphs. Connect each graph to the correct statement with a line.



Skills	Not yet	Kind of	Got it
Interprets features of a travel graph			
Matches a story to a travel graph			



Series F – Statistics – Student Progress Record

Name	Class	Date
	0.000	Dute
aat wont woll:		
/hat I need to improve:		
Series F — Statistics -	- Student Progress R	Record
Series F — Statistics -	- Student Progress R	Record
Name	- Student Progress R	Record
Series F - Statistics -	- Student Progress R	Record
Series F — Statistics -	- Student Progress R	Record
Series F - Statistics - Name	- Student Progress R	Record Date
Series F - Statistics -	- Student Progress R	Date
Series F — Statistics - Name /hat went well:	- Student Progress R	Record Date
Series F – Statistics - Name Vhat went well:	- Student Progress R	Record Date
Series F – Statistics - Name Vhat went well: /hat I need to improve:	- Student Progress R	Date
Series F – Statistics - Name	- Student Progress R	Date

ASSESSMENT ANSWERS

Page 3

1a 16; 12; 8; 20

b 56



3a Key: 🔬 = <u>10</u> hamburgers

- **b** 40
- **c** 5
- **d** 100

Page 4



Pages 5–7

- **1a** 5
- **b** 225
- **c** 100 to 125
- **d** 250
- **e** 225



f 15°C



Торіс	Reference	Strand	Objective
All	4S1	Statistics	Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.
All	551	Statistics	Complete, read and interpret information in tables, including timetables.
Line Graphs	552	Statistics	Solve comparison, sum and difference problems using information presented in a line graph.