

# Homework/Extension

## Step 4: Read and Interpret Tables

### National Curriculum Objectives:

Mathematics Year 5: (5S1) [Complete, read and interpret information in tables, including timetables](#)

### Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

**Developing** Use the table to answer the questions. Using whole numbers with up to 6 digits. Question involves direct retrieval.

**Expected** Use the table to answer the questions. Using numbers with up to 6 digits and some with one decimal place. Question involves direct retrieval.

**Greater Depth** Use the table to answer the questions. Using numbers with up to 6 digits with one decimal place. Question involves multistep interpretation and conversion.

Questions 2, 5 and 8 (Varied Fluency)

**Developing** Read and interpret the information in the table to answer the questions. Using whole numbers with up to 6 digits. Question involves direct retrieval.

**Expected** Read and interpret the information in the table to answer the questions. Using numbers with up to 6 digits and some with one decimal place. Question involves mostly direct retrieval with some multistep interpretation.

**Greater Depth** Read and interpret the information in the table to answer the questions. Using numbers with up to 6 digits. Question involves multistep interpretation.

Questions 3, 6 and 9 (Reasoning and Problem Solving)

**Developing** Explain whether a statement is correct when reading and interpreting a table with whole numbers up to 6 digits. Direct retrieval only.

**Expected** Explain whether a statement is correct when reading and interpreting a table with numbers up to 6 digits and some decimals with one decimal place.

**Greater Depth** Explain whether a statement is correct when reading and interpreting a table with numbers up to 6 digits and some with one decimal place. Question involves multistep interpretation and conversion.

More [Year 5 Statistics](#) resources.

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## Read and Interpret Tables

1. Use the table below to answer the questions about the maximum wind speeds recorded in Newquay each year.

Year	Wind speed (km/h)
2014	89
2015	76
2016	102
2017	98
2018	83

- A. Which years had maximum recorded wind speeds below 90 km/h?
- B. Which year had the second fastest recorded wind speed?
- C. How many years had recorded wind speeds faster than 90 km/h?



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2. The table below shows the results of a survey. It shows the number of people and their hair colour. Use the information to answer the questions.

	Blonde	Black	Brown	Grey
Number of people	26,082	12,500	15,500	3,851

- A. How many people had blonde hair and how many people had grey hair?
- B. How many more people had brown hair than black hair?



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3. Sam and Rachel measured how many minutes of reading two classes completed over a week.

	Class 1	Class 2
Comics	2,196	997
Books	1,011	2,130
Magazines	1,599	1,959



Class 1 spent the most time reading magazines.

In total, Class 1 read more than 3,000 minutes of comics.



Are Sam and Rachel correct? Explain your answer.



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## Read and Interpret Tables

4. Use the table below to answer the questions about actual monthly rainfall in a city.

Month	Rainfall (mm)
January	132.7
March	121
July	56
October	78.2
December	109.6

- A. Which months had rainfall below 110mm?
- B. Which month had the third highest amount of rainfall?
- C. Which month had the second lowest amount of rainfall?



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HW/Ext

5. The table below shows the results of a survey. It shows the number of people who wore different types of clothing. Use the information to answer the questions.

	Jeans	Coats	Shorts	Suits
Number of people	124,396	12,064	21,449	6,920

- A. In total, how many people were surveyed?
- B. How many more people wore jeans than shorts?



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HW/Ext

6. Laura and Oscar measured how many minutes of television programmes two classes watched over a week.

	Class 1	Class 2
Cartoons	3,080	2,873.5
Films	2,879	3,098
Documentaries	1,469	1,617.5



Laura

Class 1 spent the most time watching television.

Class 2 spent longer watching cartoons and films than Class 1 did.



Oscar

Are Laura and Oscar correct? Explain your answer.



RPS  
HW/Ext

## Read and Interpret Tables

7. Use the table below to answer the questions about the distance travelled by a boat.

Month	Distance (m)
January	2,799.5
March	11,100.7
July	15,600.9
October	10,400.5
December	2,700.3

A. How far did the boat travel in total?

B. How many more metres did the boat travel in July than it did in October and December combined?

C. In total, how many km did the boat travel in January and October?



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8. The table below shows the results of a survey. It shows the number of people and their ages. Use the information to answer the questions.

	< 10 years	10-29 years	30-59 years	> 60 years
Number of people	46,782	183,690	136,004	19,058

A. In total, how many people were surveyed?

B. How many more people were surveyed aged under 30 than those aged 30 or more?



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9. Divya and Boris measured how many minutes of physical activity two classes completed over a week.

	Class 1	Class 2
Running	7,150.5	3,659.5
Football	5,039	5,400
Skipping	1,190.5	1,740.5



Class 1 spent fewer minutes skipping and running than Class 2.

Class 2 was active for the most hours over the week.



Are Divya and Boris correct? Explain your answer.



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## Homework/Extension Read and Interpret Tables

### Developing

1. A) 2014, 2015 and 2018; B) 2017; C) 2
2. A) blonde – 26,082, grey – 3,851; B) 3,000.
3. Sam is incorrect because 1,599 minutes < 1,959 minutes. Rachel is incorrect because Class 1 read comics for 2,196 minutes which is less than 3,000.

### Expected

4. A) July, October and December; B) December; C) October
5. A) 164,829; B) 102,947
6. Laura is incorrect because Class 1 watched a total of 7,428 minutes of television whereas Class 2 watched 7,589 minutes. Oscar is correct because Class 1 spent 5,959 minutes watching cartoons and films whereas Class 2 spent 5,971.5 minutes watching cartoons and films.

### Greater Depth

7. A) 42,601.9 metres; B) 2,500.1 metres; C) 13,200m which is 13.2km
8. A) 385,534; B) 75,410
9. Divya is incorrect because Class 1 spent 8,341 minutes skipping and running whereas Class 2 completed 5,400 minutes. Boris is incorrect because Class 1 completed 223 hours of physical activity whereas Class 2 completed 180 hours.