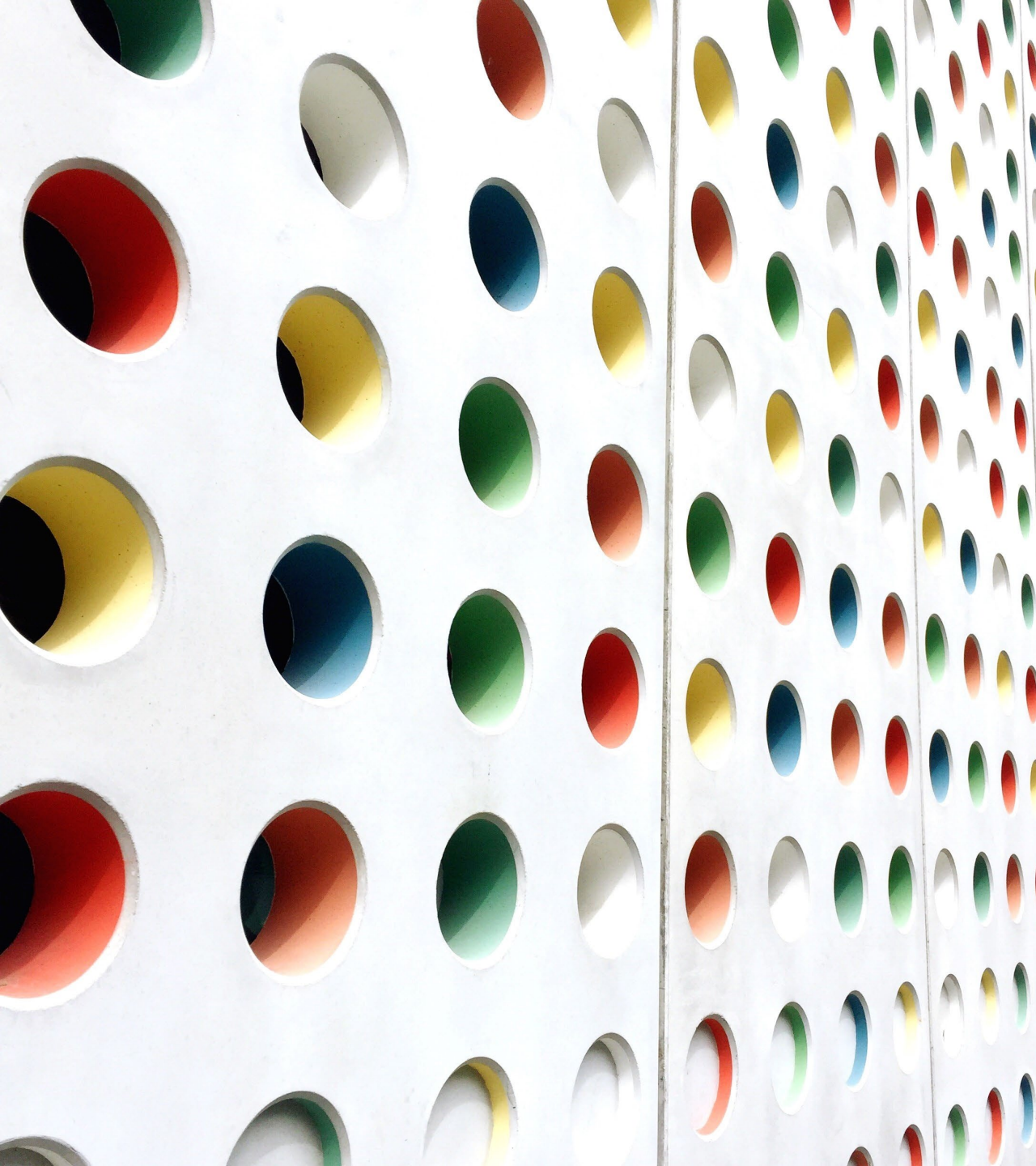




Charts – Exercises

ANSWERS

NUMERACY EXERCISES
BY
MARK GILLAN

Tutorials

Revise the Charts and Tables tutorials and video tutorials

Attempt the exercises

Make a note on separate paper as to your answers

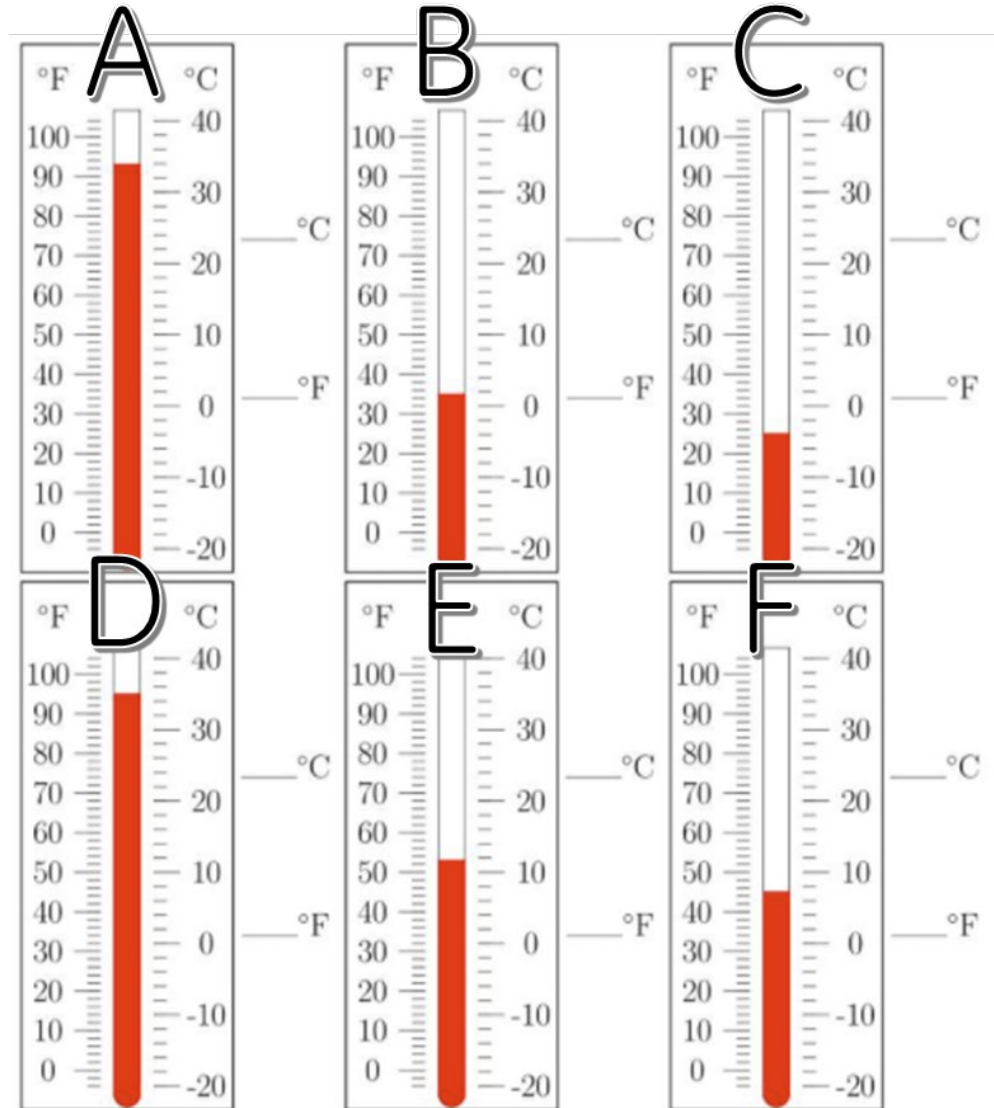
Check your answers against the ones provided herein

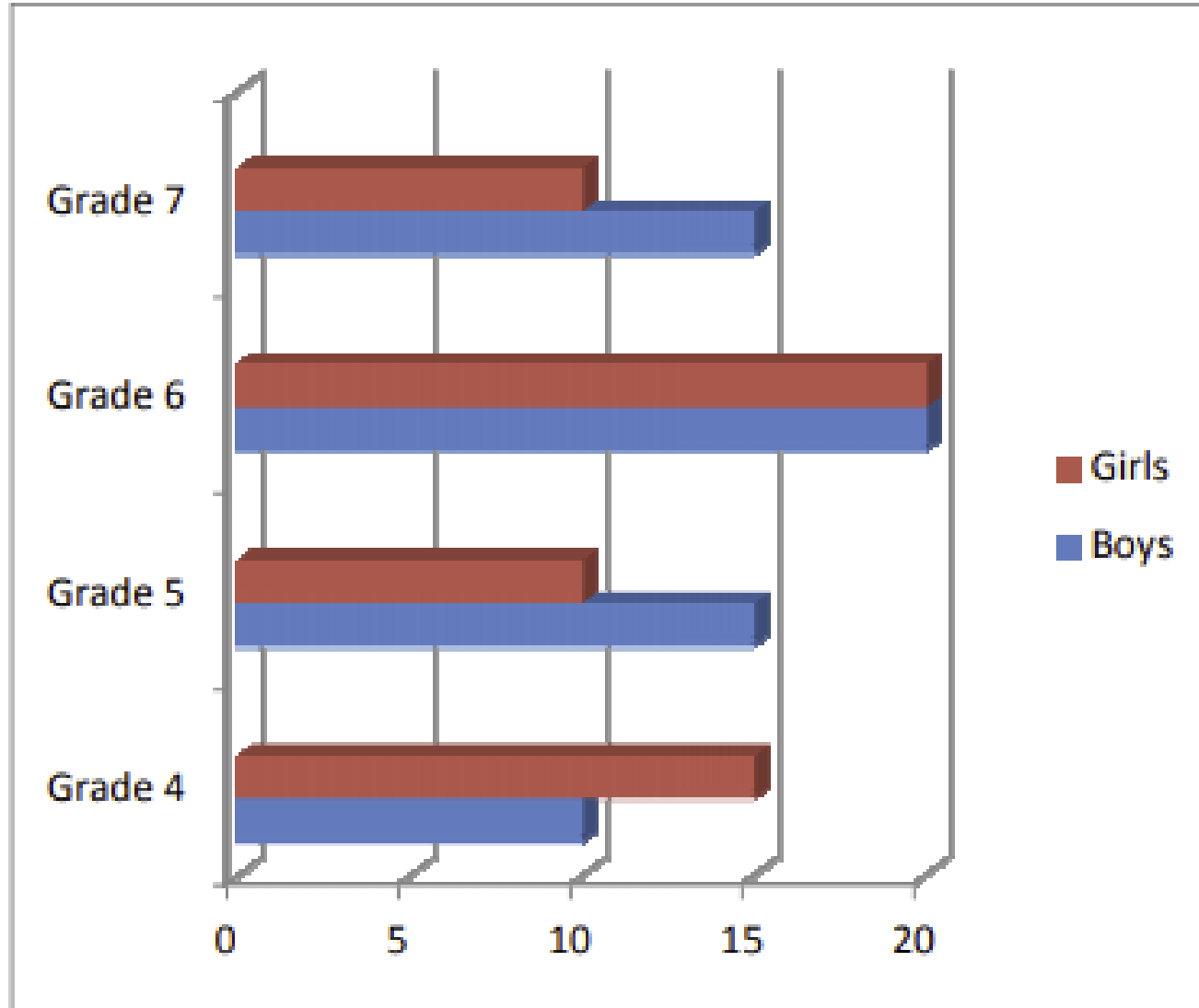
This is the ANSWERS – please make sure you have your own answers ready to check prior to moving forward to the next page

Exercise 1

For each of the thermometers, record the temperature for each in degrees Fahrenheit and Celsius

A:	34°C	93°F
B:	2°C	35°F
C:	-4°C	25°F
D:	34.5°C	94°F
E:	12°C	53°F
F:	7.5°C	45°F





Exercise 2

Using the double bar graph, answer the following:

Q1: Which grade has the equal number of girls and boys? **6**

Q2: Which grade has the least number of boys? **4**

Q3: Which grades have more girls than boys? **4**

Q4: Approximately, how many boys are in all grades in total? **Abt. 56**

Q5: Approximately, how many girls in Grade 7? **Abt. 9**

Exercise 3

Q1: What was the worst month for Return on Equity? **August**

Q2: What was the best month for Return on Equity? **December**

Q3: What would you say about the trends for the second half of the year?

Dipped in summer months, improved in autumn, December recovered to tops.

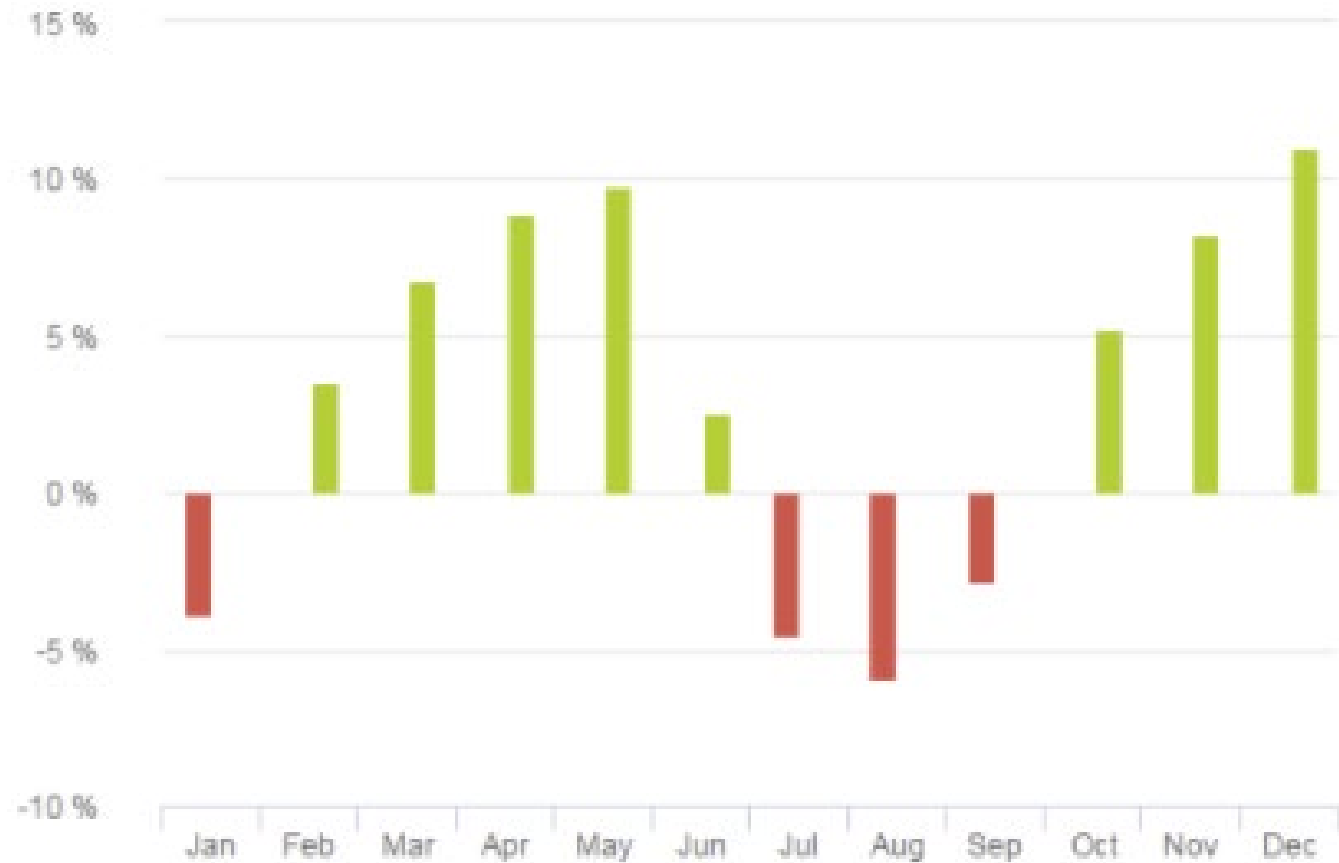
Q4: List the months that performed less than 5% Return on Equity:

Jan, Feb, Jun, Jul, Aug, Sep.

Q5: Approximately, what percentage Return on Equity was there for June?

Abt. 2.5%

Return on Equity



Exercise 4

	Cakes	Breads	Sweets	Drinks
Scotland	50	30	45	50
Denmark	10	5	15	20
Norway	30	10	20	15
Sweden	40	20	35	25
Finland	10	15	10	15
Ireland	20	40	30	20

From the table opposite, answer the following questions:

Q1: What country has the largest quantity for Cakes? **Scotland**

Q2: What country has the smallest number for Sweets? **Finland**

Q3: What country has the smallest number for any item? **Denmark (breads at only 5)**

Exercise 5

Plot the data from the table opposite onto a column chart for each country, showing the total for each country for all items.
Each country should only have 1 column for the total, sub-divided into each of the items such as Cakes, Breads, Sweets, and Drinks
(a stacked-column chart)

SEE NEXT PAGE FOR ANSWER

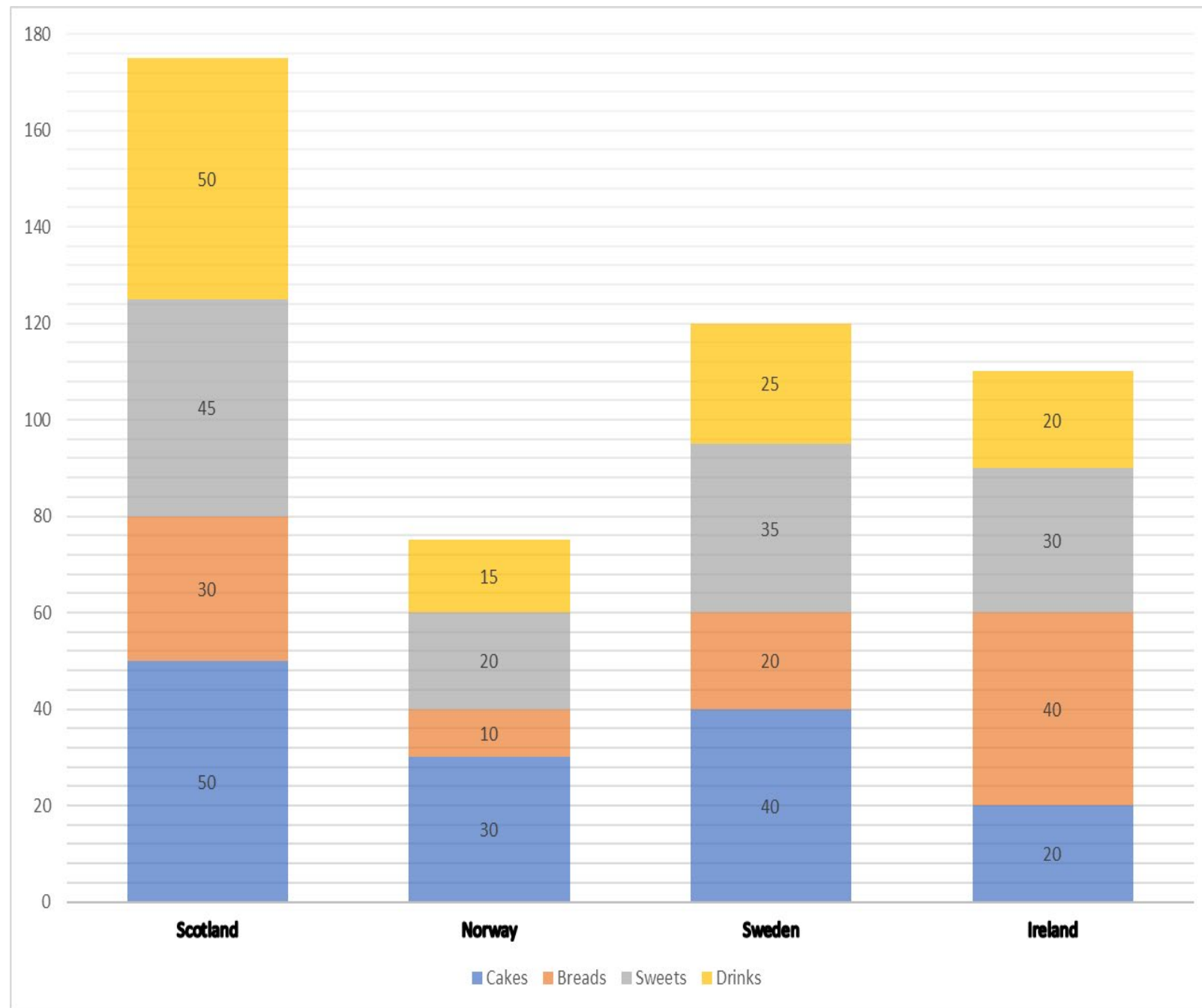
	Cakes	Breads	Sweets	Drinks
Scotland	50	30	45	50
Norway	30	10	20	15
Sweden	40	20	35	25
Ireland	20	40	30	20

Exercise 5

ANSWER

Data onto Stacked Column Chart:

	Cakes	Breads	Sweets	Drinks
Scotland	50	30	45	50
Norway	30	10	20	15
Sweden	40	20	35	25
Ireland	20	40	30	20



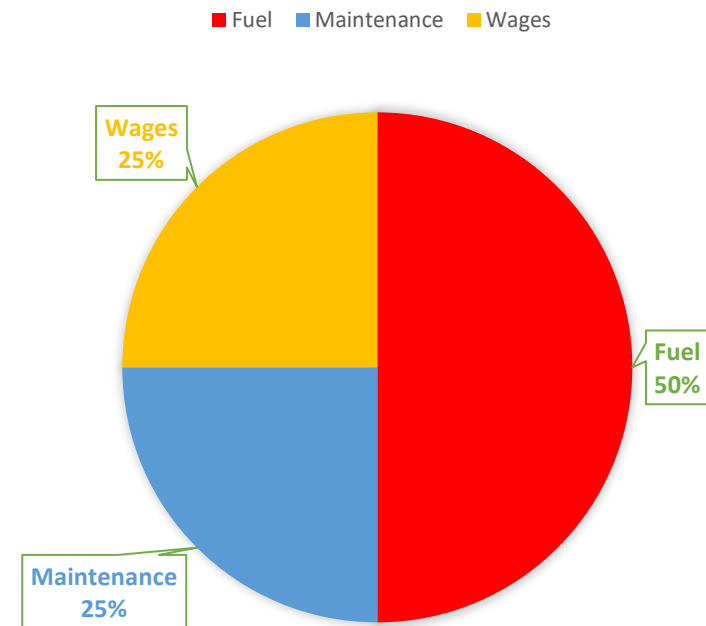
Exercise 6 ANSWER

Draw an appropriate chart to show and emphasise the large chunk of fuel costs in comparison to other costs and how the distribution of costs contribute to the one overall total.

Gillan Transport have the following costs as a percentages of the overall costs to the organisation:

- ❖ Fuel 50%
- ❖ Maintenance 25%
- ❖ Wages 25%

GILLAN TRANSPORT COSTS



Exercise 7 - ANSWERS



From the chart answer these questions:

(a) What is the approximate maximum and minimum monthly passenger numbers?

ANSWER: Maximum roughly about 32,000 and Minimum is about 12,000

(b) If the airport has a monthly target of 15,000 passengers, for how months did it not meet the target?

ANSWER: 2 (Feb and Mar)

Exercise 8 - ANSWER

Look at the chart opposite and consider how much Year 5 could be – an estimate based upon the chart provision.

Each year has an increase of 25

- Year 1 is 125 units
- Year 2 is 150 units
- Year 3 is 175 units
- Year 4 is 200 units
- Therefore, Year 5 would probably be estimated 225

Also, a trendline could be drawn from the centre point of each year total and extended to Year 5 area for plotting a projected total estimate, as shown.

