Q1 (mean/range) **Day 1**   **Name:** _____

1. For a school project, children had to count the number of counters in eight cups. The number of counters in each of the eight cups is given below.

7   5   3   9   11   4   10   7

a) Calculate the **mean** (average) number of counters in the cups. Write your answer in the space below.

_____ counters

b) What is the **range** for the counters in the cups? Write your answer in the space below.

_____ counters

2. For a business, the owner has to count the number of laptops he has in each of his five stores. The number of laptops in each of his stores is given below.

27   31   24   49   114

a) Calculate the **mean** (average) number of laptops in each store. Write your answer in the space below.

_____ laptops

b) What is the **range** for the laptops? Write your answer in the space below.

_____ laptops

Q1 (mean/range) **Day 1**

3. A paper boy delivers papers every day of the week. The number of papers he delivers each day is given below. (There is a lot more on Thursday, as it is spectator day!)

12 15 18 32 11 9 8

a) Calculate the **mean** (average) number of papers the boy delivers each day. Write your answer in the space below.

_____ papers

b) What is the **range** for the papers? Write your answer in the space below.

_____ papers

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4. Clare is saving for a holiday. Over five weeks she saves the following amounts.

£24   £19   £36   £102   £64

a) Calculate the **mean** (average) number for how much she saves each week. Write your answer in the space below.

£_____

b) What is the **range** for the different amounts she saves? Write your answer in the space below.

£_____

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5. Sam has decided to order his comics as his mum keeps complaining they are messing his room. He puts them into 6 different piles. Below is the amount of comics in each pile.

32   24   35   21   42   38

a) Calculate the **mean** (average) number for how many comics are in each pile. Write your answer in the space below.

_____ comics

b) What is the **range** for the different piles of comics? Write your answer in the space below.

_____ comics

6. Ruth is doing a survey of how many cars go past her house each hour, over a seven hour period. She has recorded the results below:

0-1 hour = 15
1-2 hours = 9
2-3 hours = 7
3-4 hours = 10
4-5 hours = 12
5-6 hours = 3
6-7 hours = 14

a) Calculate the **mean** (average) number of cars that pass her house each hour. Write your answer in the space below.

_____ cars

b) What is the **range** of the cars that pass her house each hour? Write your answer in the space below.

_____ cars

7. Grace is doing an exam. She needs to complete all four of the exams and score and average which is more the 100. Her scores for the four exams are below.

Exam 1 = 84
Exam 2 = 112
Exam 3 = 91
Exam 4 = 105

a) Calculate the **mean** (average) score for the four tests. Write your answer in the space below.

_____

b) What is the **range** of the scores for the tests above? Write your answer in the space below.

_____

8. Barney is a dog and loves to play fetch at Ballyholme Beach. His owner takes him walking every day of the week and throws the ball for him. Below is the number of throws each day Barney's owner completes to tire Barney out.

13 10 8 12 11 14 9

a) Calculate the **mean** (average) number of throws per day. Write your answer in the space below.

_____throws

b) What is the **range** of the throws each day? Write your answer in the space below.

_____ throws

9. Jen and her 4 friends go for dinner. They split the bill between themselves evenly. Below is how much each person paid.

Jen = £12.35
Alex = £13.45
Hannah = £11.95
Claire = £14.55
Jayne = £11.80

a) Calculate the **mean** (average) of the cost of the meals. Write your answer in the space below.

£_____

b) What is the **range** of the cost of the meals? Write your answer in the space below.

£_____

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10. John is selling different types of hot sauces at the local fair. Below is a list of how many bottles of each sauce he has left in stock.

Weak = 21
Mild = 13
Hot = 6
Very Hot = 5
Super Hot = 11
Don't even try! = 34

a) Calculate the **mean** (average) number of the different hot sauces he has left in stock. Write your answer in the space below.

_____ bottles

b) What is the **range** of the types of sauces? Write your answer in the space below.

_____ bottles

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11. Grace and her friends are running a race. It is a relay race and they each must complete a section. Below are the distances that Grace and her friends run in the race.

11km   15km   9km   17km   21km   13km   12km

a) Calculate the **mean** (average) number of kilometres completed by the runners. Write your answer in the space below.

_____ km

b) What is the **range** of the distances ran? Write your answer in the space below.

_____ km

12. Ruth is making her friends in New Zealand potato bread. She makes them in the evenings from Monday to Friday. Below is the amount of potato bread she makes on each day.

32   28   19   24   17

a) Calculate the **mean** (average) number of potato bread she makes each day. Write your answer in the space below.

_____ potato bread

b) What is the **range** of the potato bread she makes over the five days? Write your answer in the space below.

_____ potato bread

Answers

1. a) 7   b) 8
2. a) 49   b) 90
3. a) 15   b) 24
4. a) £49   b) £83
5. a) 32   b) 21
6. a) 10   b) 12
7. a) 98   b) 28
8. a) 11   b) 6
9. a) £12.82   b) £2.75
10. a) 15   b) 29
11. a) 14   b) 12
12. a) 24   b) 15