

- 1 20 players take part in a basketball competition.

They have to score as many hoops as they can in one minute.

The results are shown in the table.

11	15	32	26	18	12	5	26	35	8
22	28	31	20	17	10	20	18	24	41

- a) Tom tries to put the data into an ungrouped frequency table.

Number of hoops scored	Tally	Frequency
0		0
1		0
2		0
3		0
4		0
5		1

Give two reasons it might not be good to use ungrouped data.

- b) Annie decides to use a grouped table.

She makes the following table.

Number of hoops scored	Tally	Frequency
0 to 9		
10 to 19		
20 to 29		
30 to 39		
40 to 49		

What does 10 to 19 mean?

- c) Complete the table to represent the data.
 d) How many players scored between 20 and 29 hoops?

Explain how you worked this out.

- e) Annie is trying to work out how many players scored more than 30 hoops.

I used the original data and counted how many scored more than 30



Explain a quicker way Annie could have worked out her answer.

- 2 The table shows the number of laps completed by people who attended a go-kart circuit last Saturday.

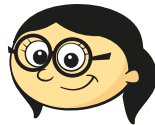
Number of laps	Number of people
0–19	17
20–39	48
40–59	21
60–79	6
80–100	3

- a) How many people completed between 20 and 39 laps?
 b) How many people attended the go-kart circuit last Saturday?
 c) How many people completed fewer than 60 laps?
 d) Why can't you tell exactly how many people completed fewer than 25 laps?



e) Annie is trying to work out how many players scored more than 30 hoops.

I used the original data and counted how many scored more than 30



Explain a quicker way Annie could have worked out her answer.

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- How many people completed between 20 and 39 laps?
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- How many people completed fewer than 60 laps?
- Why can't you tell exactly how many people completed fewer than 25 laps?

3 Mr Patel goes shopping.

He buys 78 items.

The table shows information about some of the prices.

Cost of item	Number of items
£0–£1	11
£1.01–£2.00	26
£2.01–£4.00	32
£4.01–£6.00	
£6.00+	4



- What does £6.00+ mean?
- How many items cost between £4.01 and £6.00?

4 Carrots come in 15 kg bags.

Ron counts the number of carrots in 65 bags.

- 18 bags contain fewer than 20 carrots.
- 36 bags contain fewer than 40 carrots.
- 58 bags contain fewer than 60 carrots.
- The greatest number of carrots in a bag is 83

Complete the table.

Number of carrots in a bag	0 to 19	20 to 39	40 to 59	60+
Number of bags				