



Jen records the rainfall over a week & calculates a mean rainfall of 22.6 mm per day.



But a unseasonal storm passed on Wednesday.

Can you calculate a more representative mean for daily rainfall?

Day	Mon.	Tues.	Weds.	Thurs.	Fri.	Sat.	Sun.
Rainfall (mm)	15	18	82	17	3	9	14



Mean test score = 65

4 brothers take a maths test, but Kenny is late & only scores 24 marks!
Can you calculate a representative mean for the other 3 brothers?

Adjusting a Mean

140 kmph



65 kmph



5 kmph



110 kmph



980 kmph



Mean top speed = 260 kmph

Can you calculate a more representative mean?



The animals have a mean height of 3.2 metres.
Is this representative?

What is the mean height if we remove the giraffe from the group?



Jen records the rainfall over a week & calculates a mean rainfall of 22.6 mm per day.



But a unseasonal storm passed on Wednesday.

Can you calculate a more representative mean for daily rainfall?

Day	Mon.	Tues.	Weds.	Thurs.	Fri.	Sat.	Sun.
Rainfall (mm)	15	18	82	17	3	9	14



Mean test score = 65

4 brothers take a maths test, but Kenny is late & only scores 24 marks!
Can you calculate a representative mean for the other 3 brothers?

Adjusting a Mean

140 kmph



65 kmph



5 kmph



110 kmph



980 kmph



Mean top speed = 260 kmph

Can you calculate a more representative mean?



The animals have a mean height of 3.2 metres.
Is this representative?

What is the mean height if we remove the giraffe from the group?

Adjusting a Mean



Jen records the rainfall over a week & calculates a mean rainfall of 22.6 mm per day.



But a unseasonal storm passed on Wednesday.
Can you calculate a more representative mean for daily rainfall?

Day	Mon.	Tues.	Weds.	Thurs.	Fri.	Sat.	Sun.
Rainfall (mm)	15	18	82	17	3	9	14

$$(15 + 18 + 17 + 3 + 9 + 14) \div 6 = 12.7$$



Mean test score = 65

4 brothers take a maths test, but Kenny is late & only scores 24 marks!
Can you calculate a representative mean for the other 3 brothers?

$$65 \times 4 = 260 \text{ marks in total}$$

$$260 - 24 = 236 \text{ marks without Kenny}$$

$$236 \div 3 = 78.7 \text{ mark average}$$

for the three (on time) brothers

140 kmph

65 kmph

5 kmph

110 kmph

980 kmph



Mean top speed = 260 kmph

Can you calculate a more representative mean?

Without plane = 80 kmph

Without plane & without digger = 105 kmph

A zoo records the heights of some animals...



6.3 m

The animals have a mean height of 3.2 metres.

Is this representative?

What is the mean height if we remove the giraffe from the group?

$$3.2 \times 5 = 16 \text{ m in total}$$

$$16 - 6.3 = 9.7 \text{ m}$$

$$9.7 \div 4 = 2.425 \text{ m average without giraffe}$$

