

OOPS!

Below is a worked solution to a question that I feel you could have gained more marks on ..

50 people each did one activity at a sports centre. Some of the people went swimming. Some of the people played squash. The rest of the people used the gym.

- 21 of the people were female. ✓
- 6 of the 8 people who played squash were male. ✓
- 18 of the people used the gym. ✓
- 9 males went swimming.

Work out the number of females who used the gym.

	swimming	squash	gym	total
male	9	6	<u>14</u>	<u>29</u>
female	<u>15</u>	<u>2</u>	<u>4</u>	21
total	<u>24</u>	8	18	50

$$9 + 6 = 15$$
$$29 - 15 = 14$$

$$24 - 9 = 15$$

4 females used the gym

$$8 + 18 = 26$$
$$50 - 26 = 24$$

$$15 + 2 = 17$$
$$21 - 17 = 4$$

FACEPALM!!

NOW HAVE A GO AT THIS:

A teacher asked 30 students if they had a school lunch or a packed lunch or if they went home at lunch.

17 of the students were boys

4 of the boys had a packed lunch

7 girls had a school lunch

3 of the 5 students who went home were boys

Work out the number of students who had a packed lunch