

Hands Up! results – calculations and comparisons

The table below shows the Hands Up! results of thirteen schools.

Complete the **% Active travel** column, correct to two decimal places.
(Active = Bike + Walk) Then complete the **Active travel rank** column.

School	Bike	Walk	Public Trans	Car	Total	% Active travel	Active travel rank
Fairfield Primary School	53	118	0	158	329	51.98	
Brunswick Secondary College	26	92	172	158	448		
Harrietville Primary School	18	5	0	4	27		
Corio Primary School	5	73	1	135	214		
St Leonards Primary School	25	32	0	16	73		
Bairnsdale Primary School	32	30	47	129	238		
Bayswater North Primary School	55	242	1	136	434		
Marlo Primary School	21	13	0	1	35		
Spotswood Primary School	67	48	4	50	169		
Newcomb Secondary College	61	164	78	145	448		
Glen Waverley South Primary School	7	130	4	225	366		
Dingley Primary School	51	61	3	215	330		
Bittern Primary School	42	43	1	108	194		
All Schools	463	1051	311	1480	3305		

Use the table to answer these questions:

1. Which school had the highest number of bike riders?

2. What percentage of that school's students were bike riders? _____

3. Which school had the lowest number of students travelling by bike?

4. Which school had the lowest percentage of students travelling by bike?

5. Which school had the highest number of walkers?

6. What percentage of the school's population was this? _____

7. What percentage of students caught public transport to Brunswick Secondary College? _____

8. What percentage of students caught public transport to Bairnsdale Primary School? _____

9. Which school had the highest percentage of students travelling by car?

10. Which school had the lowest percentage of students travelling by car?

11. Use the All Schools information to rank the forms of transport from most used to least used:

1 _____ 2 _____ 3 _____ 4 _____

12. At how many of the schools was the ranking different from this? _____

Use the table to answer these questions:

1. In this survey, what is the **mean** number of students riding bikes?

*To find the **mean** number, add up the numbers in the group (eg. Bike), then divide by how many numbers are in that group. (Note: zero is a number)*

2. What is the mean number of students who walked to school? _____

3. What is the mean number of students who used public transport?

4. What is the mean number of students who travelled by car? _____

5. What is the mean percentage of students who used active travel in this survey? _____

6. What is the **median** number of students riding bikes? _____

*To find the **median** number, list all the numbers in the group from lowest to highest. Then find the number which is in the middle of this list. (Note: It is easier if there is an odd number of numbers!)*

7. What is the median number of students who walked? _____

8. What is the median number of students who travelled by car? _____

9. What is the median number for the total student numbers at these schools?

10. What is the **mode** number for students travelling by public transport?

*The **mode** number is the one which appears most often in the target group. Sometimes there is no mode because each number only appears once.*

11. What is the mode number for students travelling by car? _____

12. Is there a mode number in any of the other groups? If so, what is it and where does it appear?

