

Garbage Maths

If we want to keep our environment clean, we need to provide bins for our litter. For people walking around our community, we need four bins for every 1 000 people, plus four extra bins.

How many bins are needed:

1. at a school open night with 1 500 people attending? _____
2. at a rock concert with 12 000 people? _____
3. at a football match with 27 000 people? _____
4. at a conference with 500 people? _____
5. at the local beach in summer? (estimate) _____
6. at the local beach in winter? (estimate) _____

If a government spends \$48 million per year to clean up garbage:

1. how much is spent per person? _____
2. how many kilograms are collected every year if it costs 25c per kilogram to collect? _____
3. how many tonnes are collected? _____
4. how much will the cost be if recycling rubbish reduces expenses by 25%? _____

Design a litter bin below that promotes the recycling of rubbish. Label all the parts and explain their purpose.

