



Marine Litter Learners - Maths Worksheet (P4-5)

Total Mark: / 40

Please write your answers below each question.

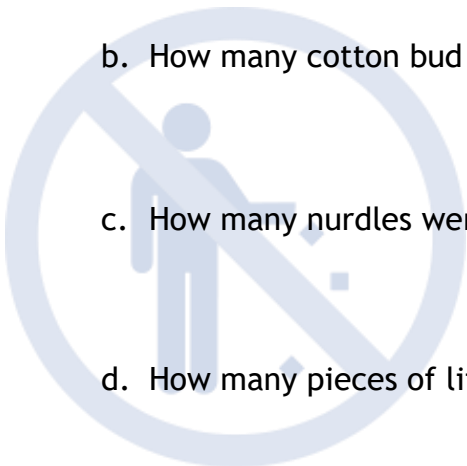
1) 5 volunteers are cleaning Balmedie Beach. At the end of the beach clean, each volunteer has collected 4 plastic bottles, 7 crisp packets, and 2 sweetie wrappers.

- How many plastic bottles were collected in total? (1 mark)
- How many crisp packets were collected in total? (1 marks)
- How many sweetie wrappers were collected in total? (1 mark)
- How many pieces of litter were collected in total? (3 marks)



2) 10 volunteers are cleaning St Cyrus beach. At the end of the beach clean, each volunteer has collected 30 wet wipes, 60 cotton bud sticks, and 80 microplastic pellets (called nurdles).

- How many wet wipes were collected in total? (1 mark)
- How many cotton bud sticks were collected in total? (1 mark)
- How many nurdles were collected in total? (1 mark)
- How many pieces of litter were collected in total? (3 marks)



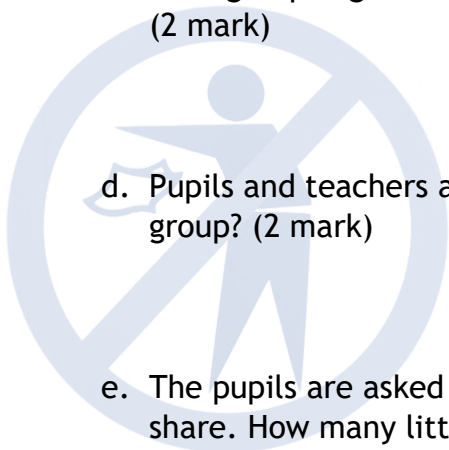
3) 3 groups of school pupils are cleaning Peterhead Lido.

- a. Group 1 collects 5 bags of litter, each weighing 10 kilogrammes. In kilogrammes, how much did they collect in total? (1 mark)
- b. Group 2 collects 10 bags of litter, each weighing 15 kilogrammes. In kilogrammes, how much did they collect in total? (1 mark)
- c. Group 3 collects 20 bags of litter, each weighing 5 kilogrammes. In kilogrammes, how much did they collect in total? (1 mark)
- d. Which group collected the heaviest weight? (2 marks)
- e. What is the total weight in kilogrammes from all three groups? (3 marks)



4) 50 pupils and 20 teachers are about to clean Arbroath Beach. Beach cleaning equipment is being given to everyone before starting.

- a. The pupils are split into 5 groups. How many pupils are in each group? (2 marks)
- b. The teachers are split equally between each group. How many teachers are in each group? (2 marks)
- c. Each group is given 4 bin bags. How many bin bags are there in total across all groups? (2 mark)
- d. Pupils and teachers are given gloves to wear. How many pairs of gloves are in each group? (2 mark)
- e. The pupils are asked to work in pairs. Each pair of pupils is given 1 litter picker to share. How many litter pickers are in each group? (2 marks)



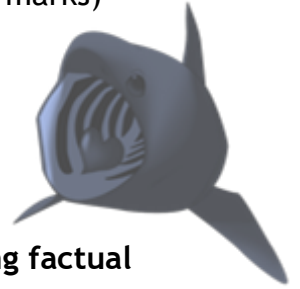
5) A group of volunteers spend a morning cleaning Newburgh Beach. They start at 10 o'clock and collect a total of 120 kilogrammes by the time they finish at 12 o'clock.

- a. How many hours did the volunteers spend cleaning the beach? (1 mark)

- b. Half-way through the beach clean, the volunteers collected half of the total amount.
 - i. What time did the volunteers collect half the total amount? (1 mark)

 - ii. At the half-way point, how much in kilogrammes did they collect? (1 mark)

- c. By about half an hour before finishing, the volunteers had collected 85 kilogrammes. How many more kilogrammes did they collect to reach their total? (2 marks)



6) 8 million tonnes of litter enter the sea every year. Finish the following factual statement using one of the options below. (5 marks)

(Please underline the correct answer)

“This is the same as one full bin lorry of rubbish getting dumped in the sea...”

- a. Every minute
- b. Every hour
- c. Every day
- d. Every week
- e. Every month



Total Mark: _____ / 40

