Activity sheet ✏ Division with Remainders

1 **Work out the answers to each of these problems.
You can use a calculator, but you must explain your reasoning.
(Hint: all the answers are different in some way)**

a. We need to book buses to take all the students in the school to a concert. There are 1144 students and each bus can take 32 students. How many buses do we need to order?

Answer:

Our reasoning:

b. We are making up packets of chocolates. Each packet must have exactly 32 chocolates. If I have 1144 chocolates, how many complete packets can we make?

Answer:

Our reasoning:

c. Our basketball club won a prize of $1144. The 32 members decided to share the prize exactly between them. How much money will each of them get?

Answer:

Our reasoning:

d. The train from Melbourne to Sydney travels at an average speed of 32 km/hr. How long would it take to travel the 1144 km to Sydney if the train does not stop?

Answer:

Our reasoning:

e. Our year level of 32 students together won a prize of 1144 pizzas. If we share the prize equally, how much pizza do we each get?

Answer:

Our reasoning:

f. A dairy farm produced 1144 litres of milk, and has 32 containers in which to store the milk. If the containers are filled exactly, how much milk should go into each container?

Answer:

Our reasoning:

g. There are 1144 people who need to cross a crocodile infested river. The ferry can carry 32 people each trip. If everyone is in a hurry to cross the river, how many people will be left for the last trip?

Answer:

Our reasoning:

2 **In what ways are these problems similar to each other?**

3 **In what ways are these problems different from each other?**

4 **Make up another problem to add to this set.**