

Candidate Name

Task 3 - Solving Problems Using Multiplication and Division

A parent is making cakes to raise funds for a local support group. The parent has

- 24 paper plates
- 220 chocolate polka dots
- 135 chocolate buttons

Use the list above to answer the following questions.
Write your answer on the line. You MUST show your working out.

1. The paper plates are in 2 packs.
Each pack has the same number of paper plates.
How many paper plates are in each pack?

2. Each cake will be decorated with 3 chocolate polka dots.

- i) How many polka dots are needed for 62 cakes?

- ii) How many cakes could be decorated with 220 polka dots?

- iii) How many polka dots will be left over?

Unit 5 - Using Number (Entry 3)
Sample OCR Tasks - Cakes

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3. Each plate will have 5 cakes on it.

i) How many plates will be filled if there are 62 cakes?

ii) How many cakes will be left over?

iii) How many cakes are needed to fill 24 plates?

4. Each cake will be decorated with 2 chocolate buttons.

i) How many cakes could be decorated with 135 buttons?

ii) How many buttons will be left over?

iii) How many buttons would be needed for 62 cakes?

Answers

1 $24 \div 2 = 12$

2i $62 \times 3 = 186$

2ii $220 \div 3 = 73$ (with remainder 1)

2iii 1 (the remainder from the previous question)

3i $62 \div 5 = 12$ (with remainder 2)

3ii 2 (the remainder from the previous question)

3iii $24 \times 5 = 120$

4i $135 \div 2 = 67$ (with remainder 1)

4ii 1 (the remainder from the previous question)

4iii $62 \times 2 = 124$