# Fruit Salad

I can solve problems by scaling up and down.

This recipe makes enough fruit salad for 12 people.

## Ingredients

**4** bananas                    **2** large oranges

**3** apples                     **16** grapes

**12** blackberries              **24** blueberries

**22** strawberries              **6** kiwi fruit

**100ml** lemonade               **50ml** fresh orange juice

You are going to scale down the recipe to make enough for **6 people**. Choose the right words to fill the gaps and explain what you need to do.

To make the six portions I need to _____ every ingredient. I need to _____ each ingredient by _____.

| double | multiply | halve | divide |
|---|---|---|---|
| four | two | ten | eight |

**Now scale down the recipe.**

bananas - _____            large oranges - _____

apples - _____             grapes - _____

blackberries - _____       blueberries - _____

strawberries - _____       kiwi fruit - _____

lemonade - _____           fresh orange juice - _____

**What if you needed 24 portions?** Work out how much of each ingredient you would need.

# Fruit Salad

I can solve problems by scaling up and down.

Calculate the ingredients for these fruit salads.

| 32 Portions | 16 Portions divide by ____ (How many 16s are in 32?) | 8 Portions divide by ____ (How many 8s are in 32?) | 4 Portions divide by ____ (How many 4s are in 32?) |
|---|---|---|---|
| 32 bananas | | | |
| 16 large oranges | | | |
| 8 apples | | | |
| 64 grapes | | | |
| 72 blackberries | | | |
| 80 blueberries | | | |
| 16 strawberries | | | |
| 8 kiwi fruit | | | |
| 640ml lemonade | | | |
| 720ml fresh orange juice | | | |

# Scones

I can solve problems by scaling up and down.

**Scale down this recipe to make 6 scones and then 4 scones.**

To adjust the recipe for **6** scones I need to:

Divide each ingredient by _____ because 12 ÷ 6 = _____.

To adjust the recipe for **4** scones I need to:

Divide each ingredient by _____ because 12 ÷ 4 = _____.

| 4 Scones | 6 Scones | 12 Scones |
|---|---|---|
| | | 240g of plain flour |
| | | 1 teaspoon of salt |
| | | 1 teaspoon of dried mustard |
| | | 6 teaspoons of baking powder |
| | | 66g of butter |
| | | 120g of mature cheddar cheese |
| | | 1 egg, beaten |
| | | 150ml milk |

Can you work out the ingredients needed to bake **8** scones?

Look at the recipes you've just made to find an easy way to do it!