# Day 5

Solve problems involving measures
Solve problems linked to scaling measures


Quick recap from the previous lesson.

21/1/22

Day 5

## In Focus

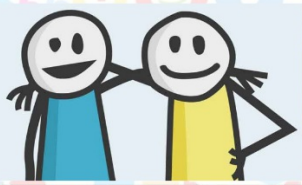
Elliott

27 kg

Sam

I am twice as heavy as Elliott.

What is the weight of Sam?



My friend said I could use multiplication to help me solve this.

## In Focus

PROBLEM

Elliott

27 kg

Sam

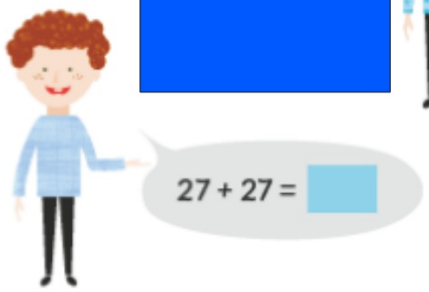
I am twice as heavy as Elliott.

What is the weight of Sam?

What might this look like as a bar?

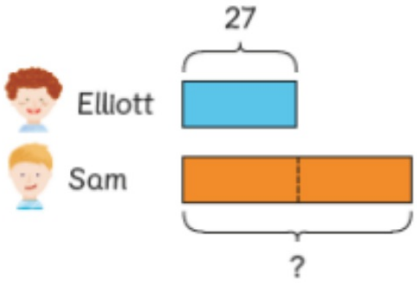
## Let's Learn





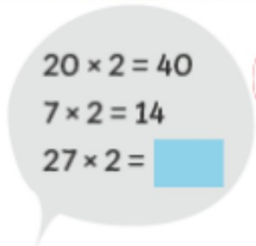

Fold the strips of paper and write on the sections see how you could work this out.

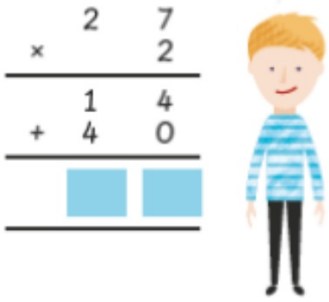
## Let's Learn

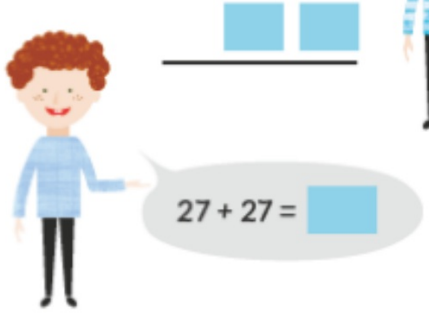

$27 \times 2 = 54$

Sam weighs 54 kg.



$$\begin{array}{r} 27 \\ \times \quad 2 \\ \hline 14 \\ + 40 \\ \hline \square\square \end{array}$$



# Practical

## Guided Practice

1 Hannah used 56 g of chocolate to make a batch of brownies. Ruby used twice as much chocolate to make her brownies. How much chocolate did Ruby use?

# Practical

## Guided Practice

**1** Hannah used 56 g of chocolate to make a batch of brownies. Ruby used twice as much chocolate to make her brownies. How much chocolate did Ruby use?

| 56g | 56g |
|---|---|

56g+56g=

# Practical

**3** A small pack of peanuts weighs 12 g.
A large pack of peanuts weighs 3 times as much as a small pack of peanuts.
Find the total mass of 2 small packs and a large pack of peanuts.


**There may be more than one step to work this out.**

# Practical

**3** A small pack of peanuts weighs 12 g.
A large pack of peanuts weighs 3 times as much as a small pack of peanuts.
Find the total mass of 2 small packs and a large pack of peanuts.


**There may be more than one step to work this out.**


large pack
3x12g=

2x small pack
2x12g=

Name: _____ Class: ____ Date: 21/1/22

## Worksheet 6

### Solving Word Problems

Solve.

1. To bake each cupcake, 37 g of sugar and twice as much flour is needed.
How much flour is needed to bake a cupcake?

2. Ravi and his mother have a total mass of 84 kg.
Ravi's mother is 3 times as heavy as Ravi.
How heavy is Ravi's mother?

3. A bag of crisps weighs 7 times as much as a lolly.
The lolly weighs 23 g.
Find the total mass of 2 bags of crisps and 3 lollies.


4. The mass of a watermelon is 654 g.
It is 3 times as heavy as an apple.
Find the total mass of the two fruits.

Draw the bar models and column methods to go with these.

Most
Pg 175

Name: _____ Class: ____ Date: 21/1/22

## Worksheet 6

### Solving Word Problems

Solve.

1. To bake each cupcake, $\frac{3}{4}$g of sugar and twice as much flour is needed.
How much flour is needed to bake a cupcake?

2. Ravi and his mother have a total mass of 84 kg.
Ravi's mother is 2 times as heavy as Ravi.
How heavy is Ravi's mother?

Some
Pg 175

Draw the bar models and column methods to go with these.

# Going Deeper

**The mass of the blue suitcase is 40g. The red suitcase weighs 160g. My friend said that the red suitcase is 3 times heavier than the blue suitcase. Are they correct? Explain your answer and show your working out.**

Solve it using the bar and column method.