

Let's Practise

I What are the missing numbers?

What are the term-to-term rules?

a 18, 27, 36, 45, 54, 63, 72, 81

The term-to-term rule is to add 9.

b 74, 65, 56, 47 38, 29, 20, 11

The term-to-term rule is to subtract 9.



What is the same and what is different between the numbers in a and b?



Student's Book p.113

2 Caz makes a pattern that starts from 120. Her next number is 145.

a Ron says her term-to-term rule is to add 35. Is Ron right?
How do you know?

 **b** Will 200 be in her number pattern? Why do you say so?

 **c** Make a pattern with the same rule that has 200 in it.

a) Ron is not right. Her term-to-term rule is add 25 to the term before because the difference between the first and second term is 25.

b) Her third term would be 170 so 25 more will be 195.

If she counts on in 25s, the next two numbers would be 195 and 220.
200 will not be in her pattern.

c)100, 125, 150, 175, 200

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The bag costs \$25.
I have \$5.
I save \$2.50 every week.
How long will I take to
save enough money for
the bag?

Student's Book p.113

Draw a diagram to
convince a friend.



Tick (✓) to show what you can do.

- I can continue number patterns.
- I can describe term-to-term rules of number patterns.

Ralph needs to save $\$25 - \$5 = \$20$.

$\$5, \$7.50, \$10, \$12.50, \$15, \$17.20, \$20, \$22.50, \$25$

If he starts with \$5 and adds \$2.50 each week. Every 2 weeks he will have \$5.00.

He needs an

extra \$20 which will take him 8 weeks.