Repeating units and pattern mistakes

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A sample from this topic. The complete topic collection contains three different resources and worked solutions.

Show your thinking using words, working or a labelled drawing. Use the explanations and example first.

What you will practise

- Repeating units and pattern mistakes
- Explain and check an answer with an appropriate representation.

Useful starting skills: Use objects, drawings or a number line to explain a simple idea.

Find the smallest whole unit that repeats. The unit can contain shapes, actions, numbers or sounds.

Describe the rule so another learner can reproduce it. Check the full unit after every repeat and repair any item that breaks the rule.

Worked example

ContinueA, B, B, A, B, B.

The repeating unit is A, B, B.

Copy all three elements in the same order.

Answer: A, B, B

Try it yourself

Name: _____ Date: _____

1. Continue 2, 5, 2, 5, 2, 5 with four numbers.

2. Find the repeating unit:triangle, square, square, triangle, square, square.

Answers and explanations

Check the method as well as the final answer. An alternative correct method is also valid.

1. 2, 5, 2, 5

The two-number unit repeats.

2. triangle, square, square

This entire three-shape group occurs twice.

Curriculum reference: VC2M1A02

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