To be able to add by counting on
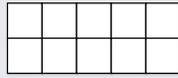
MathShed

Starter:

What's the same? What's different?

Explain your answer.

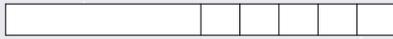---

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Activity 1:

Use the ten frame and counters to help you complete the number story in as many ways as possible.

There were __ people at the bus stop.
Then another __ people arrived.
There are __ people at the bus stop now.

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Activity 2:

Use the bar model below to help you calculate the following.

Yasmin has 14 badges.
She wins another 5 badges.
How many badges does Yasmin have now?

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Activity 3:

Use a number line to calculate:

a) $12 + 3 =$ ☐

b) $9 + 5 =$ ☐

c) $8 + 7 =$ ☐

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Activity 4:

Create your own number stories for the following calculations:

a) $0 + 16 =$ ☐

b) $9 + 7 =$ ☐

c) $8 +$ ☐ $= 16$

Example:

First, I had 8 medals.

Then, I won 4 medals.

Now, I have 12 medals.

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Activity 5:

James and Ruth are using number lines to complete addition calculations.
Ruth starts at 9 and counts on 6 more.
James starts at 6 and counts on 9 more.

What are their results?
Does this work for other numbers too?
Have you noticed a pattern?
Whose strategy do you prefer?

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Evaluation:

To calculate 12 + 6,
I counted 12, 13, 14,
15, 16, 17.
So, the answer is 17.

Do you agree with Astrobee?
Explain your answer.