21.01.2021

LI: To solve word problems involving adding and subtracting fractions.

SC:
I know when to add fractions.
I know when to subtract fractions.
I can use bar models to understand the question.

Key vocabulary:

- numerator
- denominator
- unit fraction (numerator is 1)
- non unit fraction (numerator is more than 1)
- whole

Starter:

Tom and Jerry ordered pizza. Tom ate 1/8 and Jerry ate 3/8.
1) How many slices did they eat altogether?
2) How many slices were left?

Model:

If I eat 9/12 of my pizza, how much will I have left?
Are we adding or subtracting? How do we know?

Subtracting - how much **left**

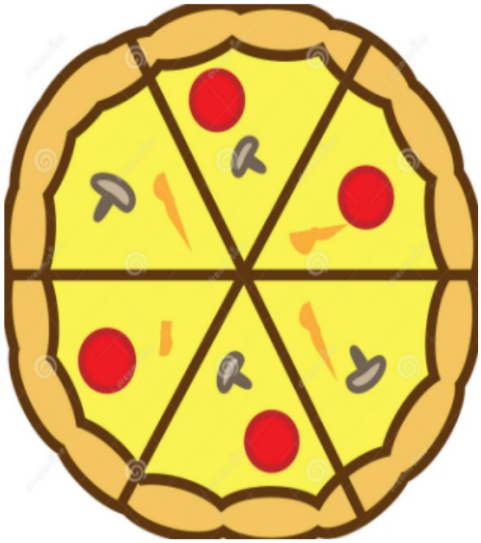
I will have 3/12 left

Model:

Teddy says,

I have one pizza cut into 6 equal pieces. I have eaten $\frac{6}{6}$ of the pizza.

Does Teddy have any pizza left?
Explain your answer.



No because he has eaten all the parts and therefore the whole pizza.

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Check it

1. If 7/13 has been taken out, how much is there now?

2. Jack gives 4/9 to Peter who already had 3/9. How much has Peter got now?

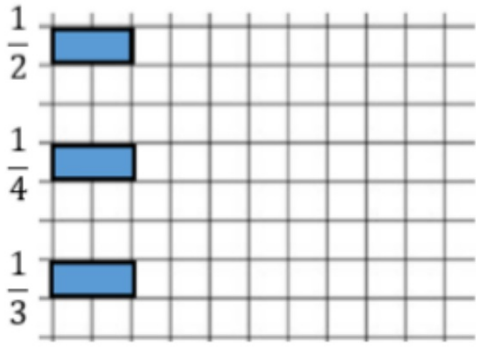
Think it:

1. Ron has £14. He wants to give half of his money to his brother. How much would his brother receive?

2. David bought 2/10, Jill 4/10 and Aiva 3/10. How much do they have in total?

Master it

Rosie is drawing bar models to represent a whole.
She has drawn a fraction of each of her bars.



Can you complete Rosie's bar models?

Plenary

Self assessment

SC:
I know when to add fractions.
I know when to subtract fractions.
I can use bar models to understand the question.

Check it

1. If 7/13 has been taken out, how much is there now? 6/13

2. Jack gives 4/9 to Peter who already had 3/9. How much has Peter got now?

7/9

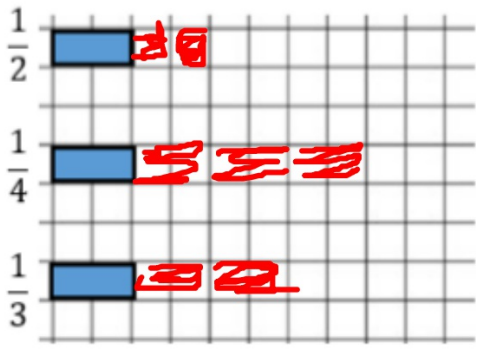
Think it:

1. Ron has £14. He wants to give half of his money to his brother. How much would his brother receive? £7

2. David bought 2/10, Jill 4/10 and Aiva 3/10. How much do they have in total? 9/10

Master it

Rosie is drawing bar models to represent a whole.
She has drawn a fraction of each of her bars.



Can you complete Rosie's bar models?