**Week 12 Day 2 Task 1: Woking towards ARE**

**Pairs – independent or with T or TA**

 **Choose Your Number**: Each of you pick a number from the top set. Write it down and show your partner.

 **Choose a Number Together**: Together, pick a number from the middle set. Write it down.

 **Do an Addition**: Write an addition using your number from the top set and the middle set. Draw hops of +10 on the beaded line to help you solve it.

 **Check Each Other**: Look at each other’s work. If something is wrong, fix it together.

 **Choose New Numbers**: Now pick a number from the bottom set. Write it down.

 **Pick a White Set Number Again**: Agree on a number from the middle set. Write a subtraction.

 **Do the Subtraction**: Draw hops of -10 on the beaded line to help you solve it.

 **Check Again**: Check each other’s subtraction and fix any mistakes.

 **Keep Going**: Keep taking turns with addition and subtraction. Pick your number, agree on a middle set number, and draw hops each time.

**Outcomes:**

I can add and subtract multiples of 10 using a 100 beaded line.

|  |  |
| --- | --- |
| Learning Outcomes/Rubrics: | |
| I can use the number line to add multiples of 10. |  |
| I can use the number line to subtract multiples of 10. |  |

**Day 2 task 2:**

Solve sheet 1

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**Week 12 Day 2 Task 1: Woking at ARE**

**Pairs – independent or with T or TA**

 **Choose Your Number**: Each of you pick a number from the top set. Write it down and show your partner.

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 **Check Each Other**: Look at each other’s work. If something is wrong, fix it together.

 **Choose New Numbers**: Now pick a number from the bottom set. Write it down.

 **Pick a White Set Number Again**: Agree on a number from the middle set. Write a subtraction.

 **Do the Subtraction**: Draw hops of -10 on the beaded line to help you solve it.

 **Check Again**: Check each other’s subtraction and fix any mistakes.

 **Keep Going**: Keep taking turns with addition and subtraction. Pick your number, agree on a middle set number, and draw hops each time.

**Outcomes:**

I can add and subtract multiples of 10 using a 100 beaded line.

|  |  |
| --- | --- |
| Learning Outcomes/Rubrics: | |
| I can use the number line to add multiples of 10. |  |
| I can use the number line to subtract multiples of 10. |  |

**Day 2 task 2:**

Solve sheet 2

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**Week 12 Day 2 Task 1: Greater Depth**

**Pairs – independent or with T or TA**

1. **Start with 46**.
2. **Add 30** (46 + 30 = 76).
3. **Subtract 30** (76 - 30 = 16).
4. **Find the difference**: Count up in 10s from 16 to 76.
5. **Repeat with a new number** (less than 50).
6. **Do it 2 more times** with different numbers.
7. **What do you notice?** Can you explain why?

**Now try this**:

1. **Start with 53**.
2. **Add 40** (53 + 40 = 93).
3. **Subtract 40** (93 - 40 = 13).
4. **Count up in 10s** from 13 to 93.
5. **Repeat 3 times** with a new number between 40 and 60.
6. **Try adding and subtracting 20**.
7. **Can you predict the difference?** Explain how you guessed it.

**Outcomes:**

I can add and subtract multiples of 10 using a 100 beaded line.

|  |  |
| --- | --- |
| Learning Outcomes/Rubrics: | |
| I can use bead string to find the double of numbers. |  |
| I can find the doubles of numbers upto 20. |  |

**Day 2 task 2:**

Solve sheet 3