MathsHUBS

Addition and subtraction: Represent and use number bonds and related subtraction facts within 20.

Learning focus	Recognise and represent patterns in addition to 20 and talk about what has been done,
	Ind all the number bonds that equal the same answer



Greater Depth Challenge:

I'm thinking of a number.

I've subtracted 6 and the answer is 8.

What number was I thinking of?

Explain how you know.









Learning focus I Know that the order of two numbers in an addition calculation can be changed round and still give the same answer





 Greater Depth Challenge:

 Mia has drawn 4 bar models to represent addition number sentences to 5.

 She says "There are 4 addition number sentences I can write."

 Is she correct? Explain your answer?

 Image: Construct of the sentence of



Greater Depth Challenge:Tara has written the following number sentences:5+3+0=80+3+5=85+0+3=83+0+5=8She says "If I write the number sentences again without the zeros in them I will
be left with four different number sentences."Is she correct? Explain your answer.



Learning focus	Image:
U	IP Find all related subtraction facts for a given number bond to 10











Learning focu	S Relate addition and subtraction, noticing the effect of adding a number and then subtracting the same number, e.g., 3 + 2 = and 5
	- 2 = 3.
	² Make and understand number trio families by starting with a number bond, commuting the addition fact, and making two related
	subtraction facts, such as 7 + 10 = 17, 10 + 7 = 17, 17 - 7 = 10, 17 - 10 = 7



MathsHUBS London South West Addition and subtraction: Add and subtract one- digit and two-digit numbers to 20, including zero.

Learning focus
 combine groups of objects
 Increase numbers by counting on, e.g., put 4 more bricks out / jump 4 forwards on the number line.





Greater Depth Challenge: Trial and Error

Mandy is thinking of 2 odd numbers between 0 and 20. When she takes them away from each other, the answer is 6. What are the 2 odd numbers Mandy is thinking about?





Learning focus	 decrease numbers by removing concrete objects. decrease numbers by counting back, e.g., take 3 hops back on the number line. find the difference between two numbers by matching objects and counting 'extras'; and counting on a number line.
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Greater Depth Challenge: What could it be?

I am thinking of 2 numbers.

When I take them away from each other, I get the answer 15.

What could the 2 numbers be?

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
	Usin	g the hu	ndred so	uare, w	ork out t	the follow	wing que	estions.	
	58-1	0 =	14 - 1-	= 33	- 10 =	54 - 3	10 =	49 – 10 =	=

MathsHUBS

Addition and Subtraction: Read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs.

Learning focus	Inderstand which operation is required when interpreting the addition (+) and subtraction (-) symbols.
-	Dunderstand that each side of an equation must balance / be equal, i.e., the total on each side must be the same, e.g., 3 + 1 = 2 +
	2.





Write 2 subtraction sentences and 2 addition sentences for the number **14**. You must use the same 3 numbers in each sentence,





Addition and Subtraction: Solve one-step problems that involve addition and subtraction,

Learning focus	Solve one-step addition and subtraction problems using pictorial representations, e.g.:
	Solve missing number problems and puzzles, e.g.:
	Present problem findings in own way with concrete objects, drawings and number sentences.



Greater Depth Challenge: **Together Mike and Bill have 15 football cards.** Mike has 7 cards. How many cards does Bill have?

Write a number sentence you could use to solve the problem.

