Year 2 Maths Bonds to 100 Monday 25.01.21

Today we are going to look at how to find number bonds to 100. This will help to solve our two step money problems tomorrow.



M



Solve these equations.

26 + 38 = 67 +29 = 56 - 32 = 43 - 18 =

There are 47 cats in Mrs Riley's garden. 15 more appear. How many are there now?



How many ways can you make 8 using addition?









Use a 100 square.

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
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

 45 squares are shaded, how many are not shaded?



Write a number sentence to show this. Can you show the fact family?



How many tens are in 100?



Use a 100 square.

45 squares are shaded, how many are not shaded?

100 – 45 = 55 So, there are 55 squares that are not shaded.

Talk to your grown up: How did you solve this?

1	2	3	4	5	6	7	8	٩	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
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100





Use a 100 square.

1	2	3	4	5	6	7	8	٩	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
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

54 squares are shaded, how many are not shaded?



Write a number sentence to show this. Can you show the fact family?



How many tens are in 100?



Use a 100 square.

1	2	3	4	5	6	7	8	q	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
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

54 squares are shaded, how many are not shaded?

100 – 54 = 46 So, there are 46 squares that are not shaded.





Mrs Riley is making 100. How much more does she need if she has:



Watch Mrs Riley's Video to see how to do this.

5 tens and 3 ones







Write a number sentence to match each calculation. Can you show the fact family?



5 tens and 3
 4 tens and 7 ones
 37
 63

Your Turn

Choose a number card Work out how many more you would need to make 100. Record your answer as a number sentence. Everything you need is in the separate PDF file 'Practical Activity Maths 25.01.21'. You can find it on our Remote Learning page. Complete as many examples as you need to help you feel confident.

1	2	3	4	5	6	7	8	٩	10	How many more would
11	12	13	14	15	16	17	18	19	20	100 from:
21	22	23	24	25	26	27	28	29	30	740
31	32	33	34	35	36	37	38	39	40	/4:
41	42	43	44	45	46	47	48	49	50	26 move from 26 to 100
51	52	53	54	55	56	57	58	59	60	24 more from 74 to 100.
61	62	63	64	65	66	67	68	69	70	74 + 26 = 100
71	72	73	74	75	76	77	78	79	80	100 = 74 + 26
81	82	83	84	85	86	87	88	89	90	
91	92	93	94	95	96	97	98	99	100	



Show your calculation in a part whole diagram and create the fact family.

Can you solve this without using Base 10 or a hundred square?

25 + ____ = 100

This is the same as finding the difference between two numbers. This means I can either count on or count back.







25 + ____ = 100



Talk to your grown up about which method you prefer.

More Examples

Bonds to 100

Monday 25.01.21 Bonds to 100 = 100 +10 110 +10 +10 +10 100 90 -40 00

Monday 25.01.21 11 Bonds to 100 = 39 100 + 60 100 50





Show the fact family. Create a word problem to match one of the addition and one of the subtraction sentence?



Further Practice

Bonds to 100

How many more would need to be added to make 100?



2 Complete the number bonds that add up to make 100.

۵	2 tens and 7 ones?	b	4 tens and 5 ones?
c	5 tens and 4 ones?	d	8 tens and 3 ones?

3 Join up the number bonds that add up to make 100.

26	15	17	57
32	33	43	35
85	74	12	29
67	52	65	83
48	68	71	88

4) Colour 5 pairs of number bonds that add up to make 100.

29	36	52	21	43	58	11	86	32	88	74	53	96	10
14	19	42	25	87	65	47	41	24	71	33	8	50	48

5 Complete the calculations.

a 30 + = 100	b+ 61 = 100	c 28 + = 100
d + 18 = 100	e 37 + = 100	f+ 89 = 100

If you want some further practice, have a go at these quesyions. They are optional. Only complete them if you want to.



Problem Solving

How would you solve this? Talk to your grown up.

The nearest museum is 100 miles away. So far Seb's mom has drive 75 miles. How much further does she have to go?





Can you solve it in a different ways?

Let's Review







Common mistakes

35 + 75 = 100

Is this correct? Talk to your grown up. Explain your answer.





Common mistakes



35 + 75 = 100

Is this correct? Talk to your grown up. Explain your answer. It's incorrect 35 + 75 = 110 30 + 70 = 100 5 + 5 = 10 100 + 10 = 110Mrs. Riley has looked at the tens first.



Each row and column adds up to 100.

35	35	
	25	
5		55

Complete the grid.





Well done Year 2. You are super stars.





$$26 + 38 = 64$$

 $67 + 29 = 96$
 $56 - 32 = 24$
 $43 - 18 = 25$

47 +15 = 62 There are 62 cats in Mrs Riley's garden.



$$0 + 8 = 8$$

$$1 + 7 = 8$$

$$2 + 6 = 8$$

$$3 + 5 = 8$$

$$4 + 4 = 8$$

$$5 + 3 = 8$$

$$6 + 2 = 8$$

$$7 + 1 = 8$$

$$8 + 0 = 8$$

Answers

$$100 - 46 = 54$$

 $100 - 66 = 34$
 $100 - 39 = 61$

45 + 55 = 100

Answers

1 How many more would need to be added to make 100?



Complete the number bonds that add up to make 100.

۵	2 tens and 7 ones	7 tens and 3 ones	b	4 tens and 5 ones	5 tens and 5 ones
c	5 tens and 4 ones	4 tens and 6 ones	d	8 tens and 3 ones	1 ten and 7 ones

3 Join up the number bonds that add up to make 100.





4 Colour 5 pairs of number bonds that add up to make 100.

29	36	52	21	43	58	11	86	32	88	74	53	96	10
14	19	42	25	87	65	47	41	24	71	33	8	50	48

5 Complete the calculations.

a 30 + <u>70</u> = 100	b <u>39</u> + 61 = 100	c 28 + <u>72</u> = 100
d <u>82</u> + 18 = 100	e 37 + <u>63</u> = 100	f <u>11</u> + 89 = 100



Each row and column adds up to 100.

35	35	30
60	25	15
5	40	55

Complete the grid.

