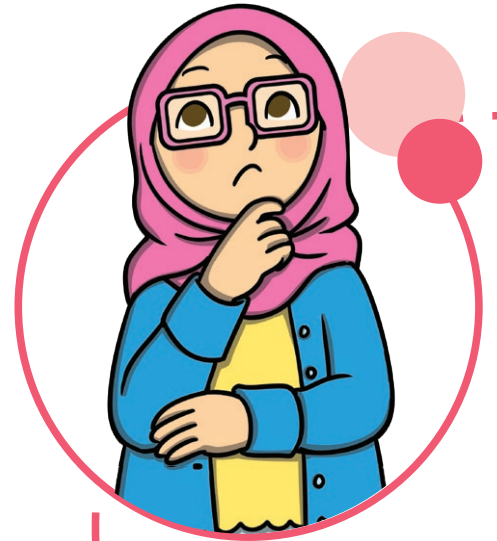




# Number Bonds of 100

## Challenge Booklet





# Number Bonds of 100

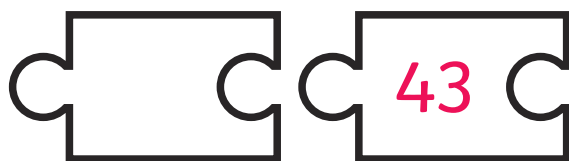
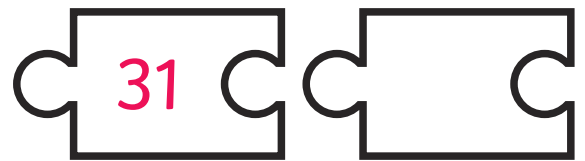
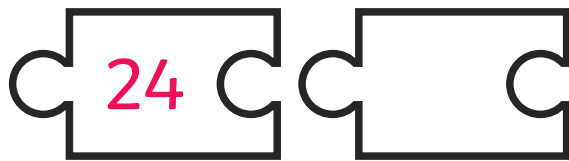
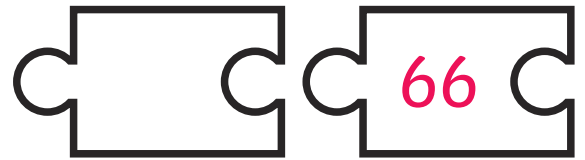
Time taken:	Number Correct:
-------------	-----------------

1 +	77 +	70 +	65 +	71 +
78 +	84 +	19 +	83 +	36 +
64 +	46 +	52 +	8 +	29 +
45 +	51 +	37 +	58 +	20 +
69 +	3 +	22 +	21 +	44 +
31 +	63 +	35 +	93 +	4 +
40 +	68 +	30 +	15 +	50 +
59 +	23 +	82 +	28 +	57 +
85 +	60 +	2 +	53 +	67 +
11 +	42 +	56 +	72 +	88 +
12 +	41 +	62 +	87 +	43 +
34 +	13 +	27 +	92 +	14 +
76 +	7 +	97 +	73 +	16 +
90 +	86 +	33 +	5 +	25 +
75 +	18 +	74 +	79 +	61 +
81 +	98 +	94 +	66 +	9 +
26 +	39 +	89 +	24 +	32 +
6 +	91 +	55 +	48 +	49 +
95 +	96 +	17 +	54 +	38 +
99 +	100 +	10 +	47 +	80 +



# Missing Number Bonds of 100 Jigsaw Worksheet

Write in the missing number to make each jigsaw pair add to 100.

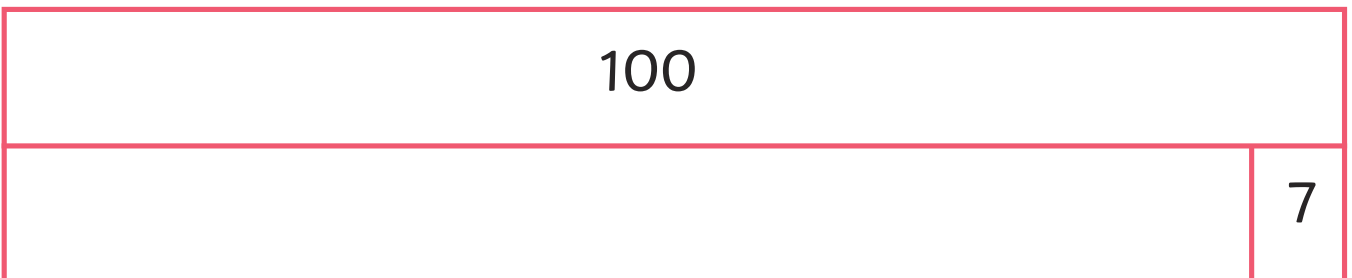
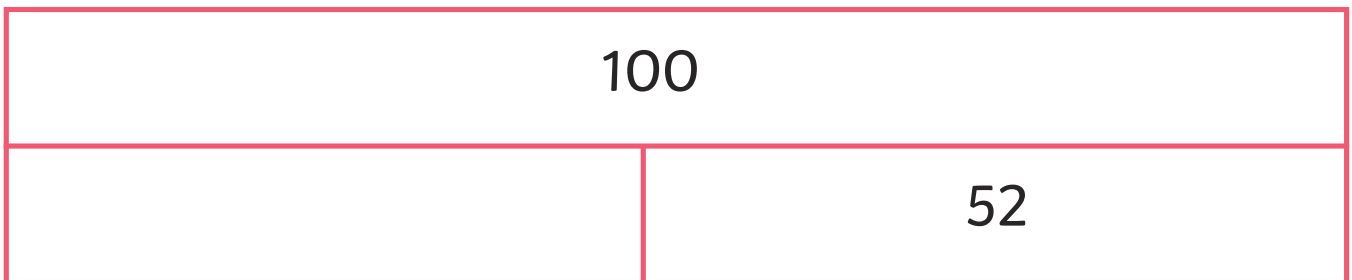
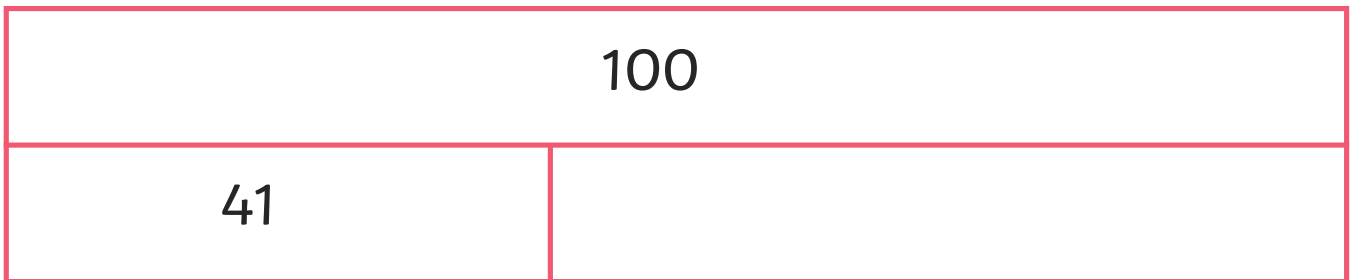
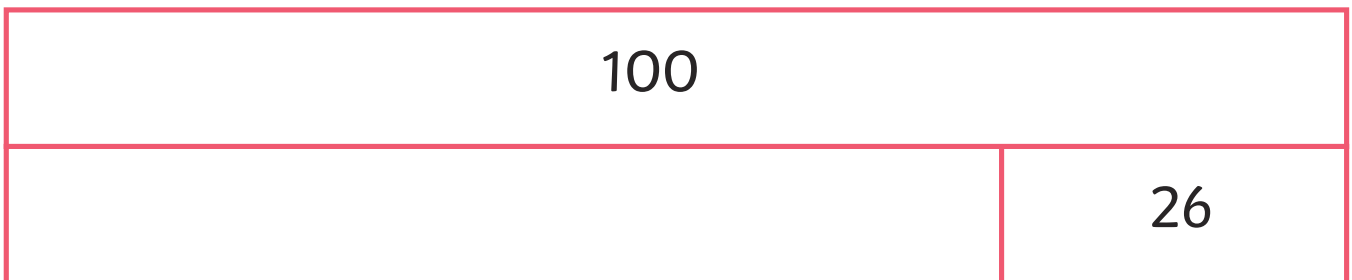
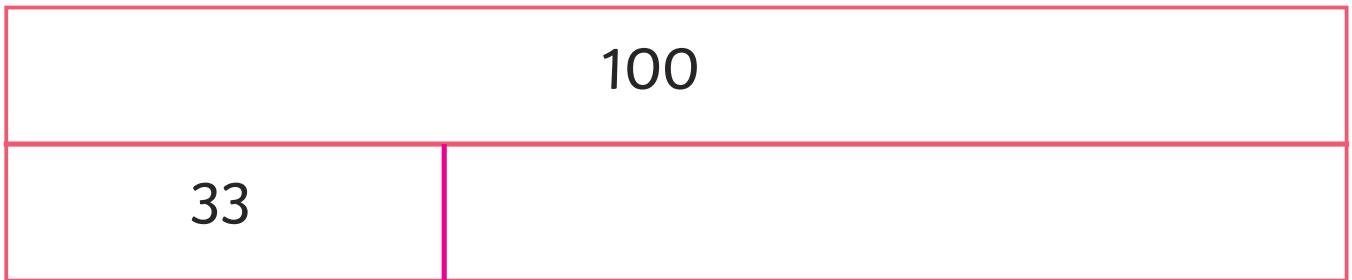


Can you think of two other number bonds of 100?





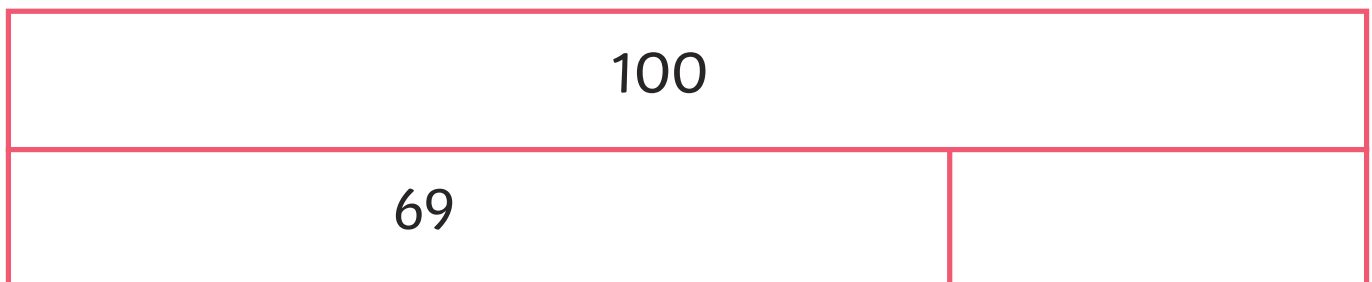
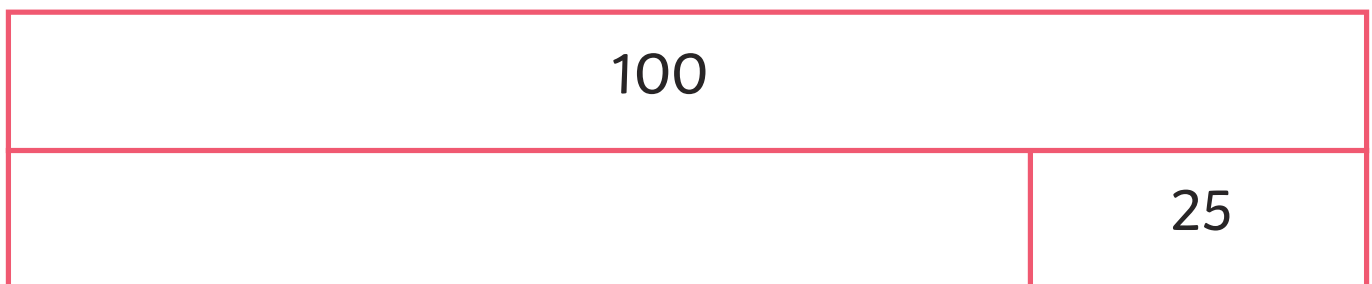
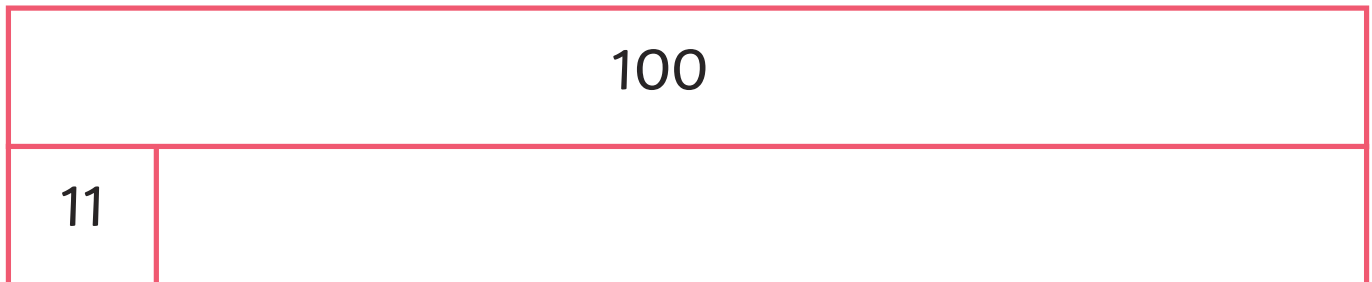
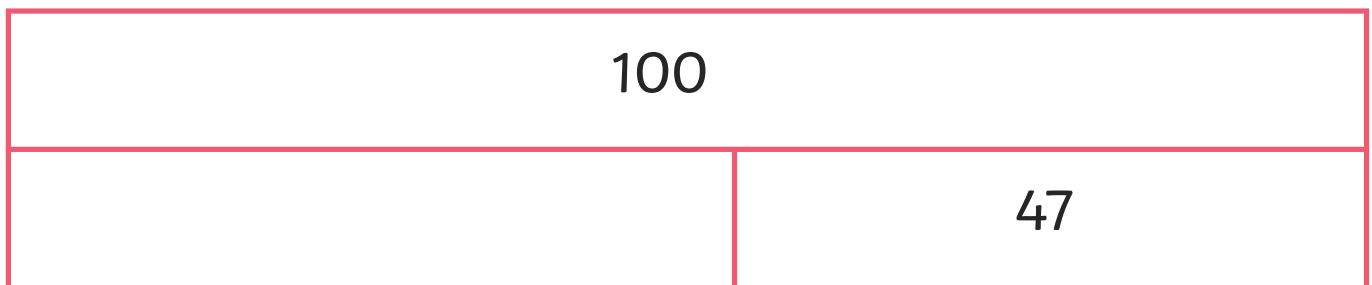
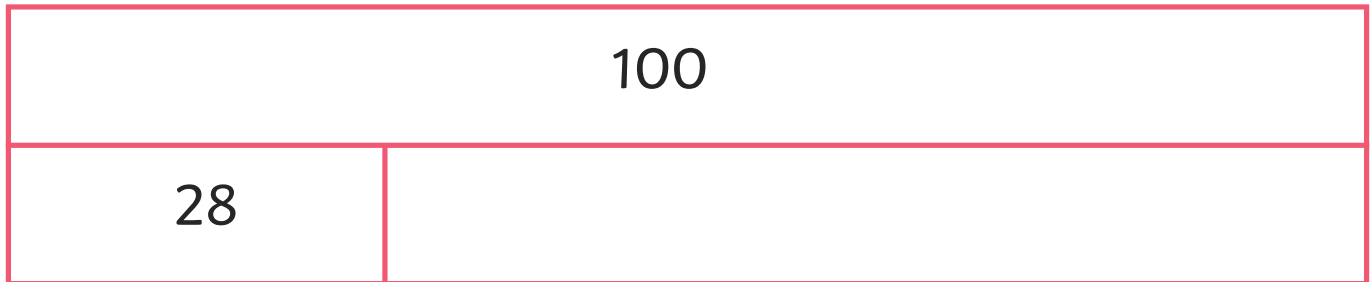
Use known number facts to fill in the missing numbers on these bar models.





## Number Bonds of 100

Use known number facts to fill in the missing numbers on these bar models.



## Colour by Number Bonds - Bonds of 100

We are going to practise your number bonds to 100. Simply colour in any number bonds which appear next to each other horizontally (use a red colouring pencil or felt-tip pen, if you have it). Once you have found all of the number bonds, a shape will be revealed.

The first one is done for you.  $40 + 60 = 100$ , so those squares have been coloured in.

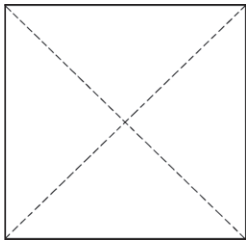
32	100	76	55	62	99	78	40	60	35
60	74	46	48	79	11	16	50	50	12
20	81	39	15	64	87	93	68	0	98
69	21	22	85	79	21	47	75	49	17
34	9	0	50	20	80	8	19	33	89
66	18	98	33	67	93	7	80	52	67
100	6	55	45	90	10	44	56	45	90
56	99	1	81	19	25	75	37	63	2
91	9	58	42	49	51	15	85	28	72
30	70	21	79	12	88	0	100	35	65

**Twinkl tip:** Use your bonds to 10 to help you. Can you find any patterns in the number bonds?



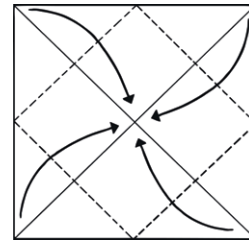
## Instructions

1



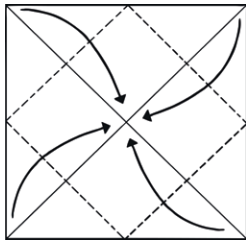
With pictures face down, fold on both diagonal lines. Unfold.

4



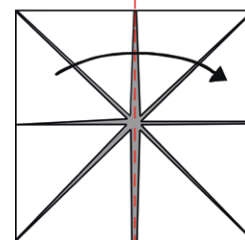
Once again, fold all corners to the centre.

2



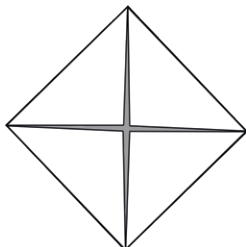
Fold all four corners to the centre.

5



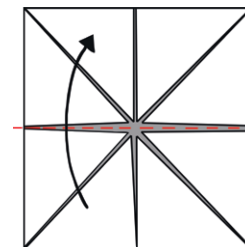
Fold paper in half and unfold.

3



Turn paper over.

6



Fold in half from top to bottom. Do not unfold.

7



Slide thumbs and forefingers under the squares and move the fortune teller back and forth to play.



# Missing Number Bonds of 100 Fortune Tellers

The wheel is divided into 10 segments, each with a number and an equation:

- silver** (top-left):  $66 + ? = 100$
- brown** (top-right):  $92 + ? = 100$
- yellow** (top-left triangle):  $? + 57 = 100$
- blue** (top-right triangle):  $43$
- grey** (middle-right triangle):  $8$
- white** (middle-right triangle):  $? + 21 = 100$
- yellow** (middle-left triangle):  $34$
- grey** (middle-left triangle):  $79$
- white** (middle-right triangle):  $83 + ? = 100$
- yellow** (middle-right triangle):  $17$
- white** (middle-left triangle):  $? + 48 = 100$
- grey** (middle-left triangle):  $52$
- blue** (bottom-left triangle):  $26$
- brown** (bottom-right triangle):  $61$
- white** (bottom-right triangle):  $? + 39 = 100$
- white** (bottom-left triangle):  $74 + ? = 100$
- blue** (bottom-left square): **blue**
- yellow** (bottom-right square): **yellow**





**This is a game for 2 players.**

- Each player chooses a different coloured pencil.
- Take it in turns to choose 2 numbers on the grid that add together to make 100.
- If correct, colour them in.
- The first player to connect 4 numbers in a row, column or diagonally wins the game.

<b>20</b>	<b>98</b>	<b>5</b>	<b>36</b>	<b>19</b>	<b>80</b>
<b>10</b>	<b>51</b>	<b>23</b>	<b>50</b>	<b>37</b>	<b>24</b>
<b>70</b>	<b>44</b>	<b>0</b>	<b>99</b>	<b>13</b>	<b>42</b>
<b>71</b>	<b>21</b>	<b>76</b>	<b>49</b>	<b>29</b>	<b>85</b>
<b>100</b>	<b>95</b>	<b>63</b>	<b>64</b>	<b>79</b>	<b>56</b>
<b>50</b>	<b>58</b>	<b>1</b>	<b>15</b>	<b>30</b>	<b>2</b>



# Number Bonds of 100 Snap Game

0

5

10

20

25

30



# Number Bonds of 100 Snap Game

35

40

45

50

8

2



# Number Bonds of 100 Snap Game

11

13

16

22

24

28



# Number Bonds of 100 Snap Game

32

33

37

42

44

47



# Number Bonds of 100 Snap Game

49

38

100

95

90

80



# Number Bonds of 100 Snap Game

75

70

65

60

55

50



# Number Bonds of 100 Snap Game

92

98

89

87

84

78





# Number Bonds of 100 Snap Game

76

72

68

67

63

58



# Number Bonds of 100 Snap Game

56

53

51

62