

$$5 \times 7 = 35$$
$$20 + 2 = 22$$

Adding and Subtracting Two-Digit Numbers



Common core icons



This icon indicates a slide where the Standards for Mathematical Practice are being developed. Details of these are given in the Notes field.



Slides containing examples of mathematical modeling are marked with this stamp.



This icon indicates an opportunity for discussion or group work.

The **Standards for Mathematical Practice** outlined in the Common Core State Standards for Mathematics describe varieties of expertise that mathematics educators at all levels should seek to develop in their students.

These are:

- 1) Make sense of problems and persevere in solving them.**
- 2) Reason abstractly and quantitatively.**
- 3) Construct viable arguments and critique the reasoning of others.**
- 4) Model with mathematics.**
- 5) Use appropriate tools strategically.**
- 6) Attend to precision.**
- 7) Look for and make use of structure.**
- 8) Look for and express regularity in repeated reasoning.**



This icon indicates that the slide contains activities created in Flash. These activities are not editable.

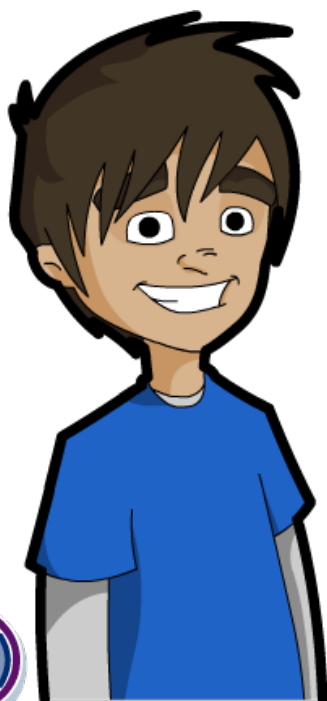


This icon indicates teacher's notes in the Notes field.

When we add or subtract two-digit numbers, we need to get the tens and ones in the right place!

How would you calculate $25 + 13$?

We need to add the tens with tens,
and the ones with ones.



	tens	ones
	2	5
+	1	3
	3	8





Adding and subtracting tens

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

Let's add ten!



1

2

3

4

Let's review some strategies for
addition and **subtraction**!

Press on each of the tabs to find out about four
strategies for addition and subtraction.





What methods would you use to solve these problems?

1. $3 + 4 + 5$

2. $9 + 8$

3. $17 - 9$

4. $30 - 28$

5. $28 + 32$

6. $15 + 9$

7. $39 - 6 - 4$

8. $100 - 97$



Press the corner numbers to
make number sentences.

Press **start** to begin.

start





Drag the numbers to the correct spaces.

$7 + 10 = \square$ $12 - 6 = \square$ $15 + 4 = \square$

$19 - 18 = \square$ $11 + 9 = \square$ $20 - 9 = \square$

17

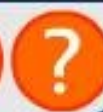
19

6

11

1

20



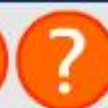


Spin

Can you answer these addition
and subtraction problems?
Press **spin** to generate a new
problem. Press the yellow
rectangle to see the answer.

Press **start** to begin.

start





1

11

21

31

41

51

61

71

81

91

Can you make **100**?

Select a number from the grid to color the numbers red. Decide which number will add to make 100, then press the remaining numbers to color them yellow and view the related number sentence.

Press **start** to begin.

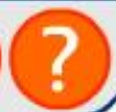
start



Matching pairs to 100



Match the cards that add up to 100.





Addition and subtraction problems

Patrick the worm is **15** cm when stretched out.
He is **8** cm shorter when curled up.
How long is he then?

