

Grade 2 · Adding Within 100 · Worksheet Answer Key

Common Core 2.NBT.B.5, 2.NBT.B.6 · mathovore.fr

Each problem below is solved step by step, with the ones, the tens, and any regrouped ten shown. Use the answers to check your work and to find where a mistake started.

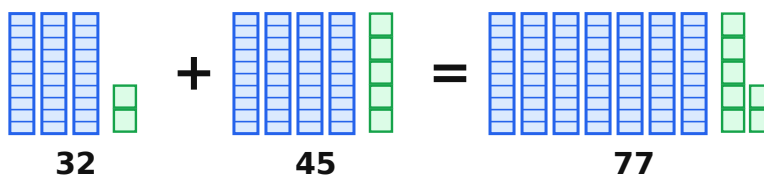
Grade 2 Common Core: 2.NBT.B.5 · 2.NBT.B.6

Problem 1: Add tens

- a. $30+40=70$
- b. $20+60=80$
- c. $50+40=90$
- d. $70+20=90$

Problem 2: Blocks without regrouping

Tens: $3+4=7$. Ones: $2+5=7$.



The sum has 7 tens and 7 ones.

$$32+45=77$$

Problem 3: Add tens to a number

- a. $47+30=77$
- b. $25+50=75$
- c. $62+20=82$
- d. $18+70=88$

Problem 4: Add ones, no regrouping

- a. $42+6=48$
- b. $53+4=57$
- c. $75+3=78$

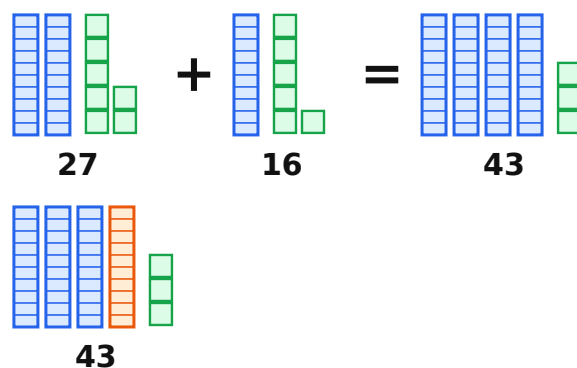
d. $81+8=89$

Problem 5: Add ones with regrouping

- a. $38+7=45$
- b. $56+8=64$
- c. $49+5=54$
- d. $67+6=73$

Problem 6: Blocks with regrouping

Ones: $7+6=13$, which is 1 ten and 3 ones. Tens: $2+1+1=4$.



The orange rod is the regrouped ten. The sum is 43.

$27+16=43$

Problem 7: Add two-digit numbers

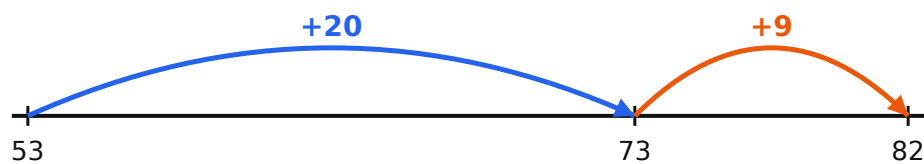
- a. $34+25=59$
- b. $42+36=78$
- c. $51+47=98$
- d. $63+24=87$

Problem 8: Add with regrouping

- a. Ones: $6+7=13$, regroup. Tens: $3+2+1=6$. $36+27=63$
- b. Ones: $8+5=13$, regroup. Tens: $4+3+1=8$. $48+35=83$
- c. Ones: $9+4=13$, regroup. Tens: $2+4+1=7$. $29+44=73$
- d. Ones: $5+9=14$, regroup. Tens: $1+6+1=8$. $15+69=84$

Problem 9: Open number line

$53+20=73$, then $73+9=82$.



The jumps end at 82.

$$53 + 29 = 82$$

Problem 10: Break apart tens and ones

- a. $40 + 30 = 70$, $6 + 7 = 13$, $70 + 13 = 83$. $46 + 37 = 83$
- b. $50 + 20 = 70$, $8 + 6 = 14$, $70 + 14 = 84$. $58 + 26 = 84$
- c. $20 + 40 = 60$, $9 + 3 = 12$, $60 + 12 = 72$. $29 + 43 = 72$

Problem 11: Missing addend

- a. 26: $24 + 26 = 50$
- b. 45: $36 + 45 = 81$
- c. 32: $32 + 28 = 60$
- d. 78: $15 + 78 = 93$

Problem 12: Compare sums

- a. 72 and 70: $72 > 70$
- b. 64 and 70: $64 < 70$
- c. 60 and 60: $60 = 60$
- d. 71 and 73: $71 < 73$

Problem 13: Add three numbers

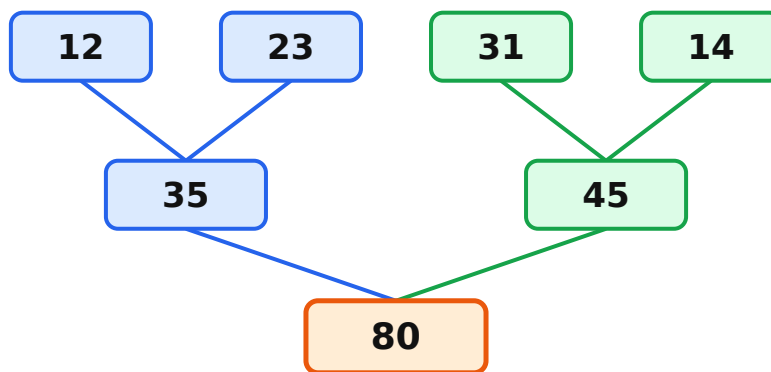
- a. $20 + 30 + 40 = 90$
- b. $14 + 25 + 11 = 50$
- c. $32 + 15 + 21 = 68$
- d. $41 + 23 + 34 = 98$

Problem 14: Three numbers with regrouping

- a. $28 + 15 = 43$, $43 + 30 = 73$. $28 + 15 + 30 = 73$
- b. $19 + 27 = 46$, $46 + 31 = 77$. $19 + 27 + 31 = 77$
- c. $24 + 38 = 62$, $62 + 16 = 78$. $24 + 38 + 16 = 78$
- d. $35 + 26 = 61$, $61 + 19 = 80$. $35 + 26 + 19 = 80$

Problem 15: Four numbers

$12+23=35$ and $31+14=45$. Then $35+45=80$.



The total is 80.

$$12+23+31+14=80$$

Problem 16: Four numbers with regrouping

- a. $27+16=43$ and $34+19=53$. $43+53=96$. $27+16+34+19=96$
- b. $18+22=40$ and $35+25=60$. $40+60=100$. $18+22+35+25=100$

Problem 17: Check by subtracting

$64+19=83$. Check: $83-19=64$ (take away 10 to get 73, then 9 more to get 64).

The sum is **83** and the check works.

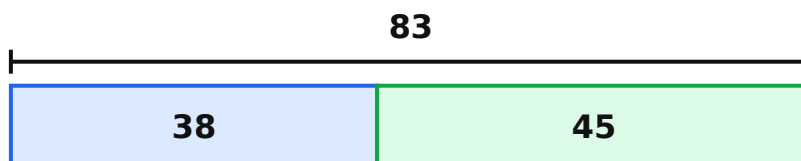
Problem 18: Find the mistake

Ones: $7+5=12$, which is 1 ten and 2 ones. Noah did not add the new ten.

The correct sum is $47+35=82$.

Problem 19: Fruit stand

$38+45=83$. (Ones: $8+5=13$. Tens: $3+4+1=8$.)



The total is 83.

The stand has **83 pieces of fruit**.

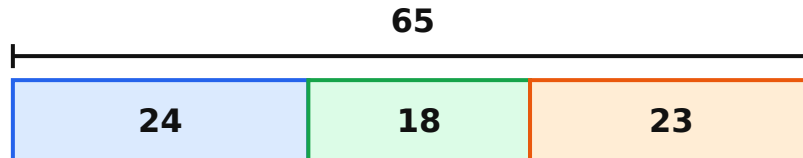
Problem 20: Reading log

$$27 + 35 = 62.$$

Maya read **62 pages**.

Problem 21: Bake sale

$$24 + 18 = 42, \text{ then } 42 + 23 = 65.$$



The total is 65.

The sale had **65 treats**.

Problem 22: Library cart

$$17 + 26 = 43, \text{ then } 43 + 31 = 74.$$

The cart holds **74 books**.

Problem 23: Sticker collection

$$56 + 28 = 84, \text{ then } 84 + 9 = 93.$$

Sofia has **93 stickers**.

Problem 24: Field trip

$$39 + 47 = 86, \text{ then } 86 + 12 = 98.$$

98 students go. Yes, $98 < 100$.