Subtraction with Regrouping - Year 3

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DECIDE, TRADE, SOLVE, CHECK

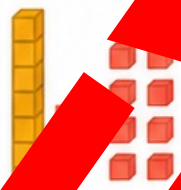
SUBTRACTION WITH REGROUPING

1 DECIDE

Start at the ones. Is the top digit large enough?

2 TRADE

Exchange 1 ten for 10 ones, or 1 hundred for 10 tens.



3 SOL

Subtrac ach colu om right to

CHECK

Add t ce and th ber subtra

EX PLE 1 2 – 38 = 14

TE	ES
~~4~~	12
	~~2~~
3	8
– 3	8
	4

52 – 38 = 14

EXAMPLE 2: 352 – 178 = 174

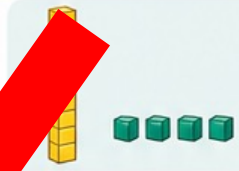
HUNDREDS	TENS	ONES
2	14	12
~~3~~	~~5~~	~~2~~
3	5	2
– 1	7	8
1	7	4

352 – 178 = 174

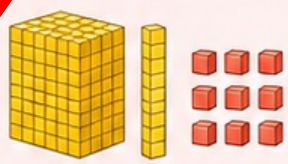
WHEN DO I REGROUP?

Start at the **ONES**.
Compare the top digit w[illegible] the digit b[illegible]ow.

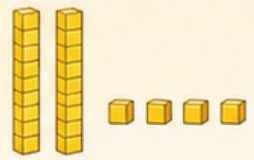
1 **MORE ON TO[illegible]** —
SUBTRACT AND [illegible].



2 **MORE ON [illegible]E FE[illegible]R** —
TRADE FROM [illegible]EXT DO[illegible].



3 **NUMBE[illegible] THE [illegible]AME** —
ZE[illegible]'S THE GA[illegible].



Move f[illegible]n rig[illegible] to left: ones, tens, hundreds.

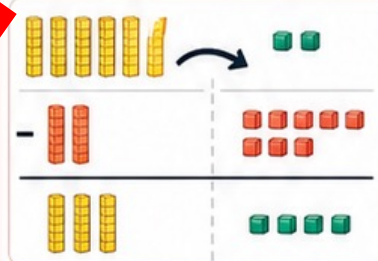
EXA[illegible]LES

1 64 − 21 (no regr[illegible])

TENS	[illegible]NES
6	4
− 2	1
4	

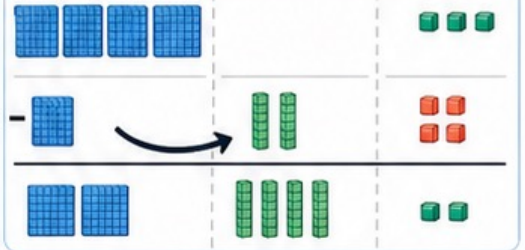
2 6[illegible] − 28 (p the ones)

TENS	ONES
~~5~~	13
~~6~~	3
− 2	8
3	5



3 405 − 123 (regroup the tens)

HUNDREDS	TENS	ONES
3	10	
~~4~~	0	5
− 1	2	3
2	8	2



BUILD IT, TRADE IT, SOLVE IT

HUNDREDS	TENS	ONES

1 BUILD

2 TRADE

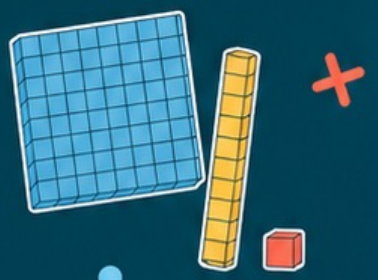
3 SUBTRACT

4 CHECK

Choose a task card. Build the top number. Trade when needed. Subtract and check.

BUILD IT, TRADE IT, SOLVE IT

TASK CARDS



Choose a card. Build the top number, trade w[illegible] needed, subtract, then check.

1

42 – 18

2

63 – 27

3

81 – 45

4

95 – 58

5

3[illegible]4 – [illegible]8

6

521 – 286

7

[illegible]00 – 462

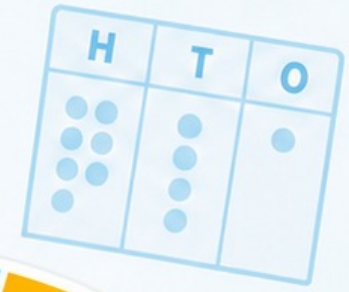
8

432 – 195

REGROUPING QUEST

…ade tens for ones. Trade hundreds for tens.

Use your place value skills to solve, regroup and move ahead!



START

1 2 3 4 5 6 7 +1

8 9 10 TRADE AGAIN 11 12 13 14

15 16 17 GO BACK 1 18 19 20 21 +1

22 23 24 FINISH

YOU NEED:

2–4 players, counters, one die and the challenge cards.

ON YOUR TURN:

Draw a card and solve it. Check the key. If correct, roll and move. If incorrect, stay. First to **FINISH** wins.

REGROUPING QUEST — TWO-DIGIT CARDS

54 – 28	72 – 4[illegible]	[illegible]3 – 57
91 – 64	[illegible]	80 – 45
74 – 58	93 – 67	51 – 26
[illegible] – 49	70 – 38	96 – 59

REGROUPING QUEST – THREE-DIGIT CARDS

352 – 178	614 – 28	735 – 458
521 – 347	903 – 76	482 – 195
402 – 137	5[illegible] – 268	703 – 459
610 – 275	800 – 364	904 – 568

REGROUPING QUEST – TEACHER ANSWER KEY

TWO-DIGIT CARDS

1.	26	7.	16
2.	26	8.	
3.	26	9.	25
4.	27	10.	
5.	23	11.	32
6.	35	12.	37

THREE-DIGIT CARDS

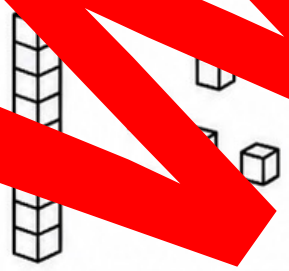
1.	174	7.	215
2.		8.	232
3.	277	9.	244
4.		10.	335
5.		11.	436
6.	287	12.	336

Match the number on the card to the number on this key.

Name: _____

SPOT THE TRADE — PAGE

Decide whether regrouping is needed. Tick YES or NO, then name the first column that needs a trade.

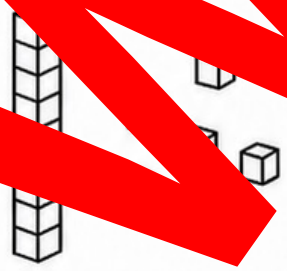


PROBLEM	YES	NO	ST TRADE: / TEN / NONE
1. 54 – 22			
2. 63 – 28			
3. 87 – 45			
4. 92 – 37			
5. 405 – 1			
6. 7 324			
286			
– 457			

Name: ANSWERS

SPOT THE TRADE — PAGE

Decide whether regrouping is needed. Tick YES or NO, then name the first column that needs a trade.



PROBLEM	YES	NO	ST TRADE: / TEN / NONE
1. 54 – 22		✓	NE
2. 63 – 28	✓		ONES
3. 87 – 45		✓	NONE
4. 92 – 37	✓		ONES
5. 405 – 1	✓		TENS
6. 7 324		✓	NONE
286	✓		ONES
– 457	✓		ONES

Name: _____

SPOT THE TRADE — PAGE 2

For each problem, describe the first trade you would make. You do not need to s… the w…

1. 71 − 46

First trade:

_____

_____

_____

2. 304 − …

First t… e:

_____

_____

_____

3. 630 − 254

First trade:

_____

_____

_____

4. 902 − 468

First trade:

_____

_____

_____

WH… S REGROUPING KEEP THE TOTAL THE SAME?

…lear se…

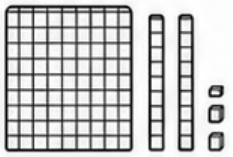
_____

_____

_____

_____

Name: ANSWERS



SPOT THE TRADE — PAGE 2

For each problem, describe the first trade you would make. You do not need to s[illegible] the w[illegible].

1. 71 − 46

First trade:

Trade 1 ten for 10 ones.

2. 304 − [illegible]

First [illegible]:

Tr[illegible]ed for 1[illegible]ens, then

trade 1 t[illegible] 10 [illegible]s.

3. 630 − 254

First trade:

Trade 1 ten for 10 o[illegible].

4. 902 − 468

First trade:

Trade 1 hundred for 10 tens, then

trade 1 ten for 10 ones.

WH[illegible]S REGROUPING KEEP THE TOTAL THE SAME?

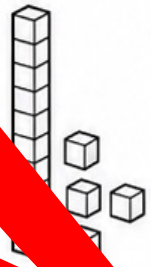
W[illegible]lear se[illegible]

[illegible] place[illegible]ue unit is exchanged for ten of the next smaller unit,

th[illegible]lue stays equal.

Name: _____

TWO-DIGIT REGROUPING — PAGE 1



Regroup when needed. Show each trade above the digits, then s

1.

TENS	ONES
4	2
− 1	8

2.

TEN	
6	3

3.

TENS	ONES
7	1
− 4	6

	ONES
8	5
− 3	9

5.

NS	
9	0
− 5	4

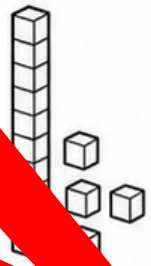
6.

TENS	ONES
5	2
− 2	8

Name: ANSWERS

TWO-DIGIT REGROUPING — PAGE 1

Regroup when needed. Show each trade above the digits, then s



1.

	TENS	ONES
	3	12
	4	2
−	1	8
	2	4

2.

	TEN	
	5	
	6	3

3.

	TENS	ONES
	6	11
	7	
−	4	6
	2	5

4.

		ONES
	7	15
	8	5
−	3	9
	4	6

5.

	NS	
		10
	9	0
−	5	4
	3	6

6.

	TENS	ONES
	4	12
	5	2
−	2	8
	2	4

Name: _____

TWO-DIGIT REGROUPING — PAGE

Solve each subtraction problem. Show your regrouping and check two ans… addit…

1. TENS ONES 6 4 − 2 7	2. TENS ON… 8 3 − 6
3. TENS ONES 7 2 − 5 8	…ONES 9 5 − 6 7
5. TENS … 6 1 − 3 8	6. TENS ONES 8 4 − 5 9
7. …ONES 7 3 − 4 8	8. TENS ONES 9 2 − 5 6

Addition check 1: _____ Addition check 2: _____

Name: ANSWERS

TWO-DIGIT REGROUPING — PAGE

Solve each subtraction problem. Show your regrouping and check two ans… …ddit…

1.

TENS	ONES
5	14
6	4
− 2	7
37	

2.

TENS	ONES
7	…
8	3
−	6
37	

3.

TENS	ONES
6	12
7	2
− 5	8
14	

4.

TENS	ONES
8	15
9	5
− 6	7
28	

5.

TENS	…
5	1
6	1
− 3	8
2	

6.

TENS	ONES
7	14
8	4
− 5	9
25	

7.

…	ONES
6	13
7	3
− 4	8
25	

8.

TENS	ONES
8	12
9	2
− 5	6
36	

Addition check 1: 37 + 27 = 64

Addition check 2: 36 + 56 = 92

Name: _____

THREE-DIGIT REGROUPING — PA 1

Line up hundreds, tens and ones. Show every trade, then subtract.

1.

HUNDREDS	TENS	ONES
3	5	2
− 1	7	8

2.

H DS	TENS	
6	1	4
2	8	6

3.

HUNDREDS	TENS	O
7	3	5
− 4	5	8

4.

HUNDREDS	TENS	ONES
5	2	1
− 3	4	7

5.

DS	NS	S
9	0	3
− 1	7	6

6.

HUNDREDS	TENS	ONES
4	8	2
− 1	9	5

Name: ANSWERS

THREE-DIGIT REGROUPING — PA 1

Line up hundreds, tens and ones. Show every trade, then subtract.

1.

	HUNDREDS	TENS	ONES
	2	14	12
	3	5	2
−	1	7	8
	1	7	4

2.

	HU DS	TENS	
	5		
	6	1	4
	2	8	6
	3		8

3.

	HUNDREDS	TENS	
	6	12	15
	7	3	5
−	4	5	8
	2	7	

4.

	HUNDREDS	TENS	ONES
	4	11	11
	5	2	1
−	3	4	7
	1	7	4

5.

	DS	NS	S
	8	13	
	9	0	3
−	4	7	6
	4	2	7

6.

	HUNDREDS	TENS	ONES
	3	17	12
	4	8	2
−	1	9	5
	2	8	7

Name: _____

REGROUPING ACROSS ZERO — PAGE 2

Regroup through a zero carefully. Record every trade, then subtract and check.

1.

	HUNDREDS	TENS	ONES
	4	0	2
−	1	8	7

2.

	HUNDREDS	TENS	ONES
	5	0	
−		6	8

3.

	HUNDREDS	TENS	ONES
	7	0	
−	4	5	9

4.

	HUNDREDS	TENS	ONES
	6	1	0
−	2	7	5

5.

	HUNDREDS	TENS	ONES
		0	0
−	3		4

6.

	HUNDREDS	TENS	ONES
	9	0	4
−	5	6	8

Name: ANSWERS

REGROUPING ACROSS ZERO — PAGE 2

Regroup through a zero carefully. Record every trade, then subtract and check.

1.

	HUNDREDS	TENS	ONES
	3	9	12
	4	0	2
−	1	8	7
	2	1	5

2.

	HUNDREDS	TENS	ONES
	4	9	
	5		
−		6	8
		3	

3.

	HUNDREDS	TENS	ONES
	6	9	13
	7	0	
−	4	5	9
	2		

4.

	HUN	TENS	ONES
	5	10	10
	6	1	0
−	2	7	5
	3	3	5

5.

	NDREDS		ONES
	7		
	3	0	0
			4
	4	3	6

6.

	HUNDREDS	TENS	ONES
	8	9	14
	9	0	4
−	5	6	8
	3	3	6

Name: _____

SUBTRACTION DETECTIVE — PAGE 1

Investigate each claim. Tick CORRECT or NOT CORRECT. Then write the correct equation and explain the mistake.

1. Ari says: 72 − 48 = 34

☐ CORRECT ☐ NOT CORRECT

Correct equation:

_____

Evidence:

_____

_____

_____

2. Mi ays: 85 − 39 = 56

☐ ORRECT ☐ OT CORRECT

Correct e

_____

Evidence:

_____

_____

_____

3. Leo says: 35 17 226

☐ CORRECT ☐ NOT

Correct e on:

_____

_____

_____

_____

4. Zara says: 614 − 286 = 472

☐ CORRECT ☐ NOT CORRECT

Correct equation:

_____

Evidence:

_____

_____

_____

Name: ANSWERS

SUBTRACTION DETECTIVE — PAGE 1

Investigate each claim. Tick CORRECT or NOT CORRECT. Then write the correct equation and explain the mistake.

1. Ari says: 72 − 48 = 34

☐ CORRECT ☑ NOT CORRECT

Correct equation:

72 − 48 = 24

Evidence:

Regroup the ones: 12 − 8 = 4.

2. Mi ays: 85 − 39 = 56

☐ ORREC ☑ OT CORRECT

Correct e

39 = 4

Evidence:

egroup the ones: 15 − 9 = 6.

3. Leo says: 35 17 226

☐ CORRECT ☑ NOT C

Correct e on:

352 − 17

Regrou he ones and tens;

do not erse the digit order.

4. Zara says: 614 − 286 = 472

☐ CORRECT ☑ NOT CORRECT

Correct equation:

614 − 286 = 328

Evidence:

Regroup in the ones and tens;

each trade changes the top digits.

Name: _____

SUBTRACTION DETECTIVE – PAGE 2

Check each worked claim. Decide whether it is correct, then justify y[illegible]

1. 402 – 187 = 215

☐ CORRECT ☐ NOT CORRECT

Correct equation: _____

Evidence:

_____

_____

_____

2. 500 – [illegible]

☐ [illegible]RECT ☐ NOT CORRECT

Correct eq[illegible] _____

Evide[illegible]

_____

_____

_____

3. 703 – 4[illegible]4

☐ CORRE[illegible] ☐ NOT COR[illegible]CT

Correct eq[illegible] _____

_____

_____

_____

4. 610 – 275 = 445

☐ CORRECT ☐ NOT CORRECT

Correct equation: _____

Evidence:

_____

_____

_____

Name: ANSWERS

SUBTRACTION DETECTIVE — PAGE 2

Check each worked claim. Decide whether it is correct, then justify yo[ur] dec[ision].

1. 402 − 187 = 215

☑ CORRECT ☐ NOT CORRECT

Correct equation: 402 − 187 = 215

Evidence:

215 + 187 = 402.

2. 500 − [illegible]

☐ [illegible]RECT ☑ NOT CORRECT

Correct eq[uation]: 50[illegible]268 = 232

Evide[nce]:

[illegible]egroup th[illegible]gh zero:

[illegible]8 = 2, 9 − 6 = 3, 4 − 2 = 2.

3. 703 − 4[illegible]4

☑ CORRE[illegible] ☐ NOT COR[illegible]T

Correct eq[uation]: [illegible]3 − 459 = 244

[illegible]

244 + 4[illegible] = 703.

4. 610 − 275 = 445

☐ CORRECT ☑ NOT CORRECT

Correct equation: 610 − 275 = 335

Evidence:

Regroup twice:

10 − 5 = 5, 10 − 7 = 3, 5 − 2 = 3.

Name: _____

REGROUPING PUZZLE — PAGE 1

1. Solve each subtraction problem.
2. Use the answer key to find its letter.
3. Write the letters in order to reveal the secret phrase.

1. 54 – 28 Answer: _____	2. 83 – 6 Answer: _____
3. 352 – 178 Answer: _____	614 – 2 Answer: _____
5. 402 – 187 Answer: _____	6. 2 – 46 Answer: _____
7. 500 – 285 Answer: _____	8. 703 – 459 Answer: _____

= T	= R	174 = A	328 = D	215 = E	244 = N

SECRET PHRASE

Name: ANSWERS

REGROUPING PUZZLE — PAGE 1

1. Solve each subtraction problem.
2. Use the answer key to find its letter.
3. Write the letters in order to reveal the secret phrase.

1. 54 – 28 Answer: 26 T	2. 83 – 6 Answer: 37 R
3. 352 – 178 Answer: 174 A	4. 614 – 2 Answer: 328 D
5. 402 – 187 Answer: 215 E	6. 72 – 46 Answer: 26 T
7. 500 – 285 Answer: 215 E	8. 703 – 459 Answer: 244 N

26 = T	37 = R	174 = A	328 = D	215 = E	244 = N

SECRET PHRASE

	R	A	D	E	T	E	N	

Name: _____

REGROUPING WORD PROBLEMS — PAC[illegible]2

Write an equation, solve, then label each answer. Check one answer [illegible]

1. A library had 325 books on display.
Students borrowed 148 books.
How many books remained?

Equation: _____

Answer: _____

2. A classroom [illegible] with 48[illegible]ncils.
Students used [illegible]
How ma[illegible]ncils remain[illegible]

Equati[illegible]

[illegible]wer: _____

3. A wildlife park welcomed 703 visitors.
During the afternoon, 268 [illegible]s left.
How many visitors remai[illegible]

Equation: _____

Answer: _____

[illegible]raiser has a goal of $900.
[illegible] raised $475.
How much more is needed?

[illegible]quation: _____

Answer: _____

ADDITION CHECK

Name: ANSWERS

REGROUPING WORD PROBLEMS — PAC[illegible]?

Write an equation, solve, then label each answer. Check one answer [illegible]

1. A library had 325 books on display.
Students borrowed 148 books.
How many books remained?

Equation: 325 – 148 = 177

Answer: 177 books remained.

2. A classroom [illegible] with 48[illegible]ncils.
Students used 2[illegible]
How ma[illegible]ncils remain[illegible]

Equati[illegible]80 – 2[illegible]244

[illegible]wer: 244 pe[illegible]cils remained.

3. A wildlife park welcomed 703 visitors.
During the afternoon, 268 [illegible]s left.
How many visitors remai[illegible]

Equation: 703 – 268 = [illegible]

Answer: 435 visi[illegible]ained.

[illegible]raiser has a goal of $900.
It [illegible]s raised $475.
How much more is needed?

[illegible]quation: $900 – $475 = $425

Answer: $425 more is needed.

ADDITION CHECK

[illegible]77 + [illegible] = 325

Name: _____ Date: _____

REGROUPING READY — ASSESSMENT PAGE

SECTION A DECIDE

Tick YES or NO to show whether regrouping is needed.

1.	84 − 52	YES ☐	
2.	71 − 46	YES ☐	NO ☐

SECTION B SOLVE

Show every trade and find each difference.

1.

	H	T	O
		6	3
−		2	8

2.

	H	T	O
		9	2
−		5	7

3.

	H	T	O
	3	5	
−	1		8

4.

	H	T	O
	6	1	4
−	2	8	6

5.

	H	T	O
		0	2
−		8	7

6.

	H	T	O
	7	0	3
−	4	5	9

Name: ANSWERS Date: _____

REGROUPING READY — ASSESSMENT PAGE

SECTION A DECIDE

Tick **YES** or **NO** to show whether regrouping is needed.

1.	84 − 52	YES ☐	NO ☐
2.	71 − 46	YES ☑	NO ☐

SECTION B SOLVE

Show every trade and find each difference.

1.

H	T	O
	6	3
−	2	8
	35	

2.

H	T	O
	9	2
−	5	7
	35	

3.

H	T	O
3	5	
− 1		8
	17	

4.

H	T	O
6	1	4
− 2	8	6
	328	

5.

H	T	O
	0	2
−	8	7
	215	

6.

H	T	O
7	0	3
− 4	5	9
	244	

REGROUPING READY — ASSESSMENT PAGE 2

Name: _____ **Date:** _____

Write an equation, show your thinking and label each answer.

1. A classroom had 500 sheets of paper. Students used 268 she
How many sheets remained?

Equation: _____

Working:

Answer: _____

2. A school sold 703 concert tickets. At th r, 459 tick scanned.
How many tickets had not yet been scan

Equation: _____

Working:

Answer: _____

3. A studen 5 – 39 = he error and solve the subtraction correctly.

_____

_____

_____

_____

4. Us dition to check this statement: 614 – 286 = 328.

_____

_____

_____

REGROUPING READY — ASSESSMENT PAGE 2

Name: ANSWERS **Date:** _____

Write an equation, show your thinking and label each answer.

1. A classroom had 500 sheets of paper. Students used 268 she
How many sheets remained?

Equation: 500 – 268 = 232

Working:

Answer: 232 sheets remained.

2. A school sold 703 concert tickets. At th , 459 ticke scanned.
How many tickets had not yet been scan

Equation: 703 – 459 = 2

Working:

Answer: 244 ha t yet be canned.

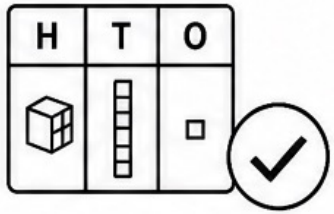
3. A student 5 – 39 = he error and solve the subtraction correctly.

The dent r sed the ones digits instead of regrouping. 85 – 39 = 46.

4. Us dition to check this statement: 614 – 286 = 328.

8 + 286 = 614, so the subtraction statement is correct.

SUBTRACTION WITH REGROUPING - YEAR 3 RUBRIC



Student: _____ Date: _____

CRITERIA	BEGINNING	DEVELOPING	ACHIEVING	CONFIDENT	EXCEEDING
1. PLACE-VALUE ALIGNMENT	Needs support to align digits.	Aligns some digits correctly.	Aligns hundreds, tens and ones.	Aligns and labels independently.	Explains why alignment matters.
2. IDENTIFYING AND RECORDING TRADES	Often misses a needed trade.	Identifies trades with prompts.	Identifies needed trades.	Trades accurately across zero.	Compares and explains trade choices.
3. CALCULATION ACCURACY	Makes frequent calculation errors.	Solves familiar examples with support.	Accurately solves two- and three-digit problems.	Accurately solves mixed and cross-problems.	Works consistently and self-corrects.
4. EXPLAINING AND CHECKING	Gives limited reasoning.	Partly describes the method.	Explains trades and checks with addition.	Uses clear evidence to justify answers.	Explains the method and verifies efficiently.

Teacher comment: _____

Subtraction with Regrouping

Subtraction with Regrouping Quiz