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LESSON 4

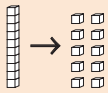
Subtracting Whole Numbers with Regrouping

2.NBT.5, 2.NBT.7, 2.NBT.9

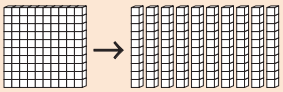
The difference is the answer to a subtraction problem.

$4 - 2 = 2$
↑
Difference

Regroup 1 ten as 10 ones.



Regroup 1 hundred as 10 tens.



Addition and subtraction are opposites. You can add to check subtraction.

$425 - 114 = 311$
because
$311 + 114 = 425$

Sometimes a digit is not large enough to subtract from. Then you need to regroup the next place to the left.

Subtract the digits in the same places. Subtract from right to left.

Find the difference of 437 and 289.

$$\begin{array}{r} {\scriptstyle 2\,17} \\ 4\not{3}\not{7} \\ -289 \\ \hline 8 \end{array}$$

Subtract the ones. You cannot subtract 9 ones from 7 ones. Regroup 3 tens as 2 tens and 10 ones. Combine 10 ones and 7 ones for 17 ones. Subtract: $17 - 9 = 8$

$$\begin{array}{r} {\scriptstyle 3\,12\,17} \\ 4\not{3}\not{7} \\ -289 \\ \hline 48 \end{array}$$

Subtract the tens. You cannot subtract 8 tens from 2 tens. Regroup 4 hundreds as 3 hundreds and 10 tens. Combine 10 tens and 2 tens for 12 tens. Subtract: $12 - 8 = 4$

$$\begin{array}{r} {\scriptstyle 3\,12\,17} \\ 4\not{3}\not{7} \\ -289 \\ \hline 148 \end{array}$$

Subtract the hundreds: $3 - 2 = 1$

The difference is 148.

SAMPLE

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Read each problem. Circle the letter of the best answer.

SAMPLE Subtract:

$$73 - 46 = \square$$

A 24 **B** 27 **C** 33 **D** 34

The correct answer is B. Subtract the ones. Then subtract the tens. You cannot subtract 6 ones from 3 ones. So regroup 1 ten as 10 ones. Combine the ones for 13 ones. Then subtract: 13 ones − 6 ones = 7 ones. Subtract the tens: 6 tens − 4 tens = 2 tens. The difference is 27.

1 There were 974 people at a hockey game. The first 425 people won a free hat. How many people did ***not*** win a free hat?

A 559

B 551

C 549

D 545

2 Yoshi picked 30 flowers. There were 17 roses. The rest were daisies. How many flowers were daisies?

A 13

B 17

C 23

D 27

3 Subtract:

$$\begin{array}{r} 619 \\ -\,378 \\ \hline \end{array}$$

A 239

B 241

C 341

D 361

4 A clown was carrying 41 balloons. There were 23 red balloons. The rest were yellow. How many yellow balloons were there?

A 28 **C** 18

B 22 **D** 12

5 Find the difference.

$$564 - 487 = \square$$

A 77 **C** 123

B 87 **D** 187

SAMPLE

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Read each problem. Write your answer.

SAMPLE Devon collects postcards. She has 352 postcards in all. She has 179 postcards from other countries. The rest are from the United States. How many postcards are from the United States?

Answer _____

There are 173 postcards that are from the United States. To find the answer, subtract 352 − 179. You will need to regroup twice:

$$\begin{array}{r} {\scriptstyle 14}\phantom{{}^{12}} \\ {\scriptstyle 2}\,\cancel{4}\,{\scriptstyle 12} \\ \cancel{3}\cancel{5}\cancel{2} \\ -\,179 \\ \hline 173 \end{array}$$

6 There are 61 cars in a parking lot. There are 27 black cars. How many cars are other colors? Show your work.

Answer _____

7 One weekend, 728 people saw a certain movie. There were 564 people who liked the movie. The rest did not like the movie. How many people did ***not*** like the movie?

Answer _____

8 Subtract:

$$\begin{array}{r} 93 \\ -\,34 \\ \hline \end{array}$$

Answer _____

SAMPLE

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Read each problem. Write your answer to each part.

9 Shelby received $45 for her birthday. She bought a shirt that cost $18.

Part A How much money did Shelby have left?

Answer _____

Part B Explain how you found your answer.

_____

_____

_____

10 A train has 950 seats for passengers. One day, there were 742 people on the train.

Part A How many seats were empty on the train?

Answer _____

Part B Explain how you found your answer.

_____

_____

_____

Always regroup one place to the left.

SAMPLE

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