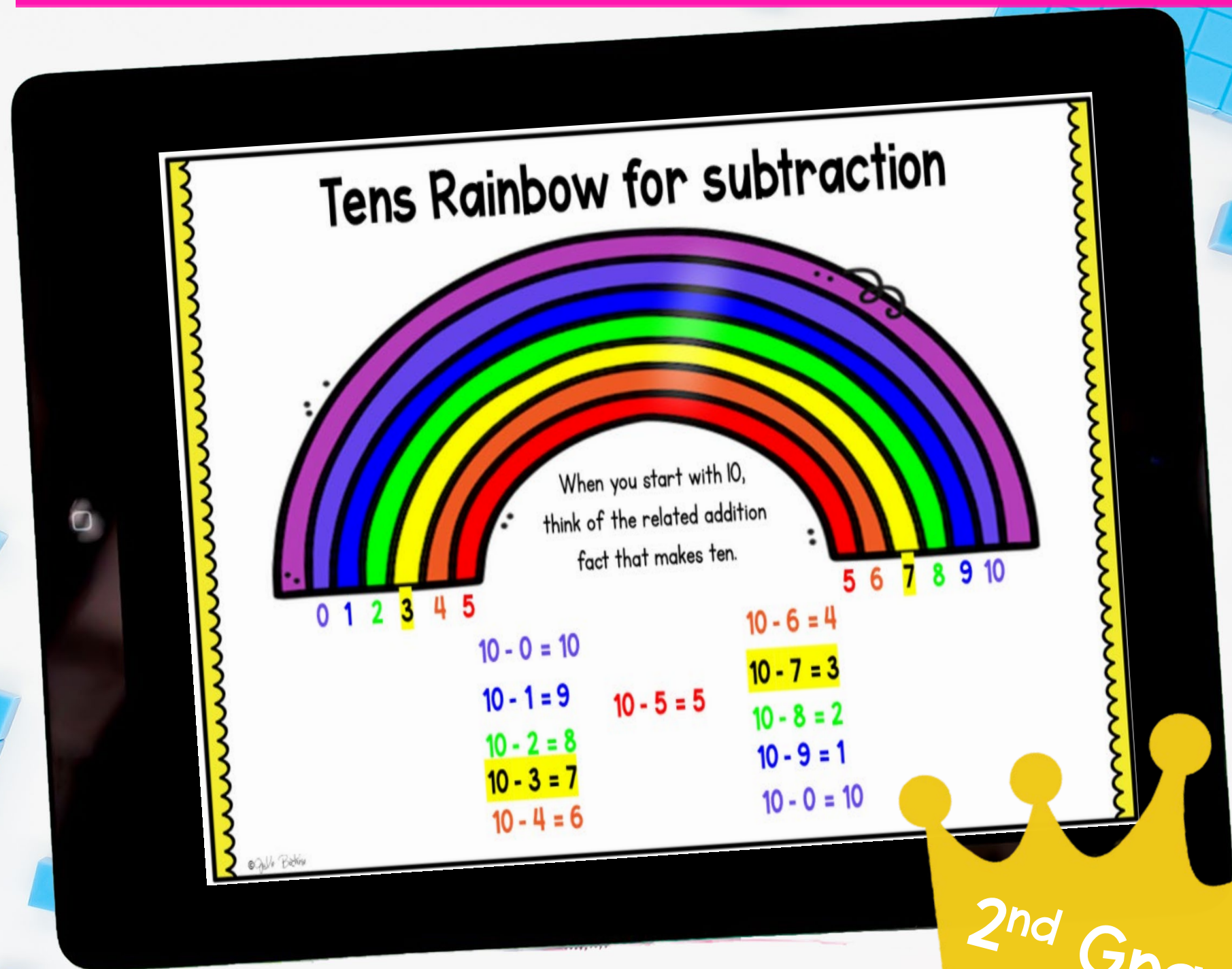




Mental Math Strategies - Subtraction



Digital Lesson & Printable Recording Sheet

Counting Back

Use counting back when one of the subtrahends is 1, 2, or 3.

$$7 - 2 = \square$$



THINK... I know it's a count back fact because it is subtracting on 1, 2, or 3

SO... I put the largest number in my head and count back from it.

Remember - subtraction always starts with the biggest number. You start with the whole and take away some to find what's left!

5
6

7



INCHES 1 2 3 4 5 6

CENTIMETERS 2 3

20 21 22 23 24 25 26 27

Explore

Use counting back to solve the problems with mental math. Remember to start with the largest number.

Counting back by 1

$$11 - 1 = \square$$

$$6 - 1 = \square$$

$$13 - 1 = \square$$

Counting back by 2

$$8 - 2 = \square$$

$$15 - 2 = \square$$

$$11 - 2 = \square$$

Counting back by 3

$$14 - 3 = \square$$

$$3 - 3 = \square$$

$$6 - 3 = \square$$

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Let's Watch!

Watch the video to learn more about using addition to subtract.



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Use Doubles to Subtract

If you know your doubles facts, you can use them to solve related subtraction facts!



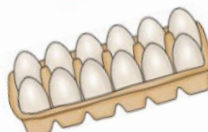
If
 $1 + 1 = 2$
we know,
 $2 - 1 = 1$



If
 $5 + 5 = 10$
we know,
 $10 - 5 = 5$



If
 $9 + 9 = 18$
we know,
 $18 - 9 = 9$



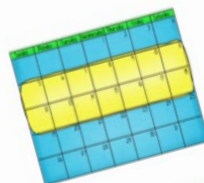
If
 $6 + 6 = 12$
we know,
 $12 - 6 = 6$



If
 $10 + 10 = 20$
we know,
 $20 - 10 = 10$



If
 $2 + 2 = 4$
we know,
 $4 - 2 = 2$



If
 $7 + 7 = 14$
we know,
 $14 - 7 = 7$



If
 $3 + 3 = 6$
we know,
 $6 - 3 = 3$



If
 $8 + 8 = 16$
we know,
 $16 - 8 = 8$



If
 $4 + 4 = 8$
we know,
 $8 - 4 = 4$

The subtraction fact is just the doubles fact, backwards. The answer to the double's fact is the largest number in the subtraction problem!



Explore

Solve the subtraction problems. Write the related tens partner addition fact that helped you solve the equation.

$$10 - 4 = \square$$

Tens Fact:

$$10 - 6 = \square$$

Tens Fact:

$$10 - 2 = \square$$

Tens Fact:

$$10 - 9 = \square$$

Tens Fact:

$$10 - 5 = \square$$

Tens Fact:

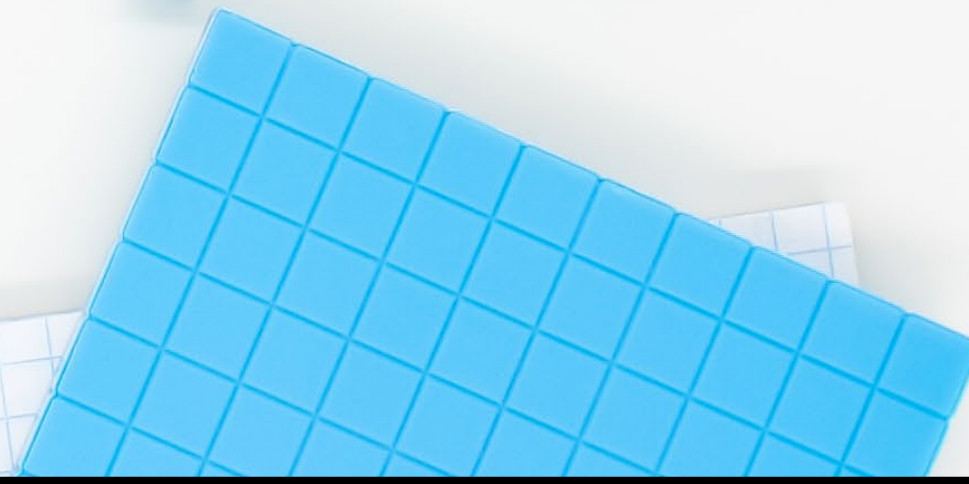
$$10 - 3 = \square$$

Tens Fact:

CENTIMETERS 2 3

20 21 22 23 24 25 26 27

120 130 140 150 160 170 180
INCHES 0 10 20 30 40 50



Name: _____ Date: _____

Mental Math – Subtraction Lesson Recording Sheet: Day 1

Counting Back

Use counting back when one of the subtrahends is 1, 2, or 3.

$$7 - 2 = \square$$



THINK... I know it's a count back fact because it is subtracting 1, 2, or 3

SO... I put the largest number in my head and count back from it.

_____ **7**

Remember – subtraction always starts with the biggest number. You start with the whole and take away some to find what's left!

Explore: Use counting back to solve the problems with mental math. Remember to start with the largest number.

Counting back by 1

Counting back by 2

Counting back by 3

$$11 - 1 = \square$$

$$8 - 2 = \square$$

$$14 - 3 = \square$$

$$6 - 1 = \square$$

$$15 - 2 = \square$$

$$3 - 3 = \square$$

$$13 - 1 = \square$$

$$11 - 2 = \square$$

$$6 - 3 = \square$$

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Name: _____ Date: _____

Mental Math – Subtraction Lesson Recording Sheet: Day 1

Explore: Use counting on to solve the problems with mental math. Remember to start with the largest number. Write if the problem is counting on by 1, 2, or 3.

$$9 - 2 = \square$$

I counted back by ____

$$13 - 2 = \square$$

I counted back by ____

$$10 - 1 = \square$$

I counted back by ____

$$18 - 3 = \square$$

I counted back by ____

$$11 - 3 = \square$$

I counted back by ____

$$5 - 2 = \square$$

I counted back by ____

$$5 - 1 = \square$$

I counted back by ____

$$7 - 2 = \square$$

I counted back by ____

$$15 - 1 = \square$$

I counted back by ____

Collaborate & Share: Work with a partner or your group to write your own counting back problem. Then, write an explanation to the class of how you can use the counting back strategy to solve the problem using mental math.

To use counting back, first I...

$\square$	$-$	$\square$	$=$	$\square$
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