

ADD 9

Name:

Date:

Use **rods** and **number lines** to answer these questions. Below is an example.

Example:

$$8 + 9 =$$

Model the problem using Cuisenaire rods.



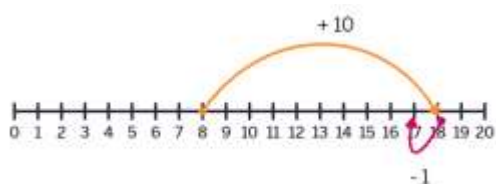
Instead of adding nine, add 10.



Ten is one more than nine, so adjust the answer: take away one.



Show the problem on a number line.



Record it as a calculation.

$$8 + 9 = (8 + 10) - 1 = 18 - 1 = 17$$

Check your answer on a calculator.

$4 + 9 =$	$7 + 9 =$	$9 + 9 =$
$8 + 9 =$	$5 + 9 =$	$10 + 9 =$
$14 + 9 =$	$6 + 9 =$	$11 + 9 =$
$8 + 9 =$	$15 + 9 =$	$9 + 15 =$
$13 + 9 =$	$9 + 16 =$	$16 + 9 =$

SUBTRACT 9

Name:

Date:

Use **rods** and **number lines** to answer these questions. Below is an example.

Example:

$$18 - 9 =$$

Model the problem using Cuisenaire rods.



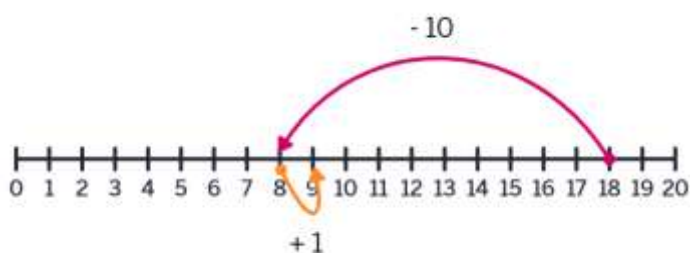
Instead of adding nine, add 10.



Ten is one more than nine, so adjust the answer: take away one.



Show the problem on a number line.



Record it as a calculation.

$$18 - 9 = (18 - 10) + 1 = 8 + 1 = 9$$

Check your answer on a calculator.

12 - 9 =	14 - 9 =	11 - 9 =
16 - 9 =	18 - 9 =	15 - 9 =
13 - 9 =	19 - 9 =	17 - 9 =