



Georgia Department of Education
Common Core Georgia Performance Standards Framework Student Edition
Sixth Grade Mathematics • Unit 1

TASK: UNDERSTANDING THE LONG DIVISION ALGORITHM

A. Divide $3 \overline{)693}$

1. Highlight the place value representation of six 100s, nine 10s, and 3 ones.

100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1

2. How many groups of 3 can be made (circle them) from the 100s, the 10s, and the 1s?
3. Calculate:

$$3 \overline{)693}$$

B. Divide $5 \overline{)746}$

1. Highlight the place value representation of seven 100s, four 10s, and six 1s.

100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1

2. How many groups of 5 can be made (circle them) from the 100s, the 10s, and the 1s?

3. Calculate: $5\overline{)746}$

C. Model and calculate the following:

1. $6\overline{)794}$

100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1

2. $2\overline{)699}$

100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1

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3. $8 \overline{)848}$

100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1

Georgia Department of Education
 Common Core Georgia Performance Standards Framework Student Edition
Sixth Grade Mathematics • Unit 1

100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1

100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1
100	10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1