Name _____ Date _____

1. a. Complete the pattern.

30 — **40** — **50** — 60 — **70** — **80** — 90 — **100**
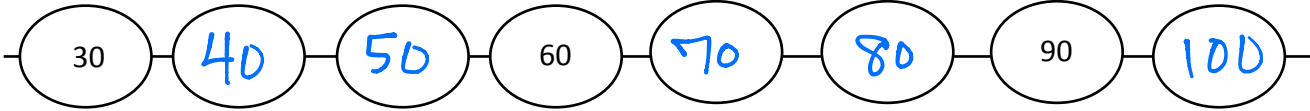
b. Find the value of the unknown.

$10 \times 2 = d$ $d = \underline{\ 20\ }$ $10 \times 6 = w$ $w = \underline{\ 60\ }$

$3 \times 10 = e$ $e = \underline{\ 30\ }$ $10 \times 7 = n$ $n = \underline{\ 70\ }$

$f = 4 \times 10$ $f = \underline{\ 40\ }$ $g = 8 \times 10$ $g = \underline{\ 80\ }$

$p = 5 \times 10$ $p = \underline{\ 50\ }$

2. Each equation contains a letter representing the unknown. Find the value of the unknown.

$8 \div 2 = n$	$n = \underline{\ 4\ }$
$3 \times a = 12$	$a = \underline{\ 4\ }$
$p \times 8 = 40$	$p = \underline{\ 5\ }$
$18 \div 6 = c$	$c = \underline{\ 3\ }$
$d \times 4 = 24$	$d = \underline{\ 6\ }$
$h \div 7 = 5$	$h = \underline{\ 35\ }$
$6 \times 3 = f$	$f = \underline{\ 18\ }$
$32 \div y = 4$	$y = \underline{\ 8\ }$

COMMON CORE

Lesson 3:   Multiply and divide with familiar facts using a letter to represent the unknown.
Date: 7/31/13

engage^ny   3.A.35

3. Pedro buys 4 books at the fair for $7 each.

   a. What is the total amount Pedro spends on 4 books? Use the letter *b* to represent the total amount Pedro spends, and then solve the problem.
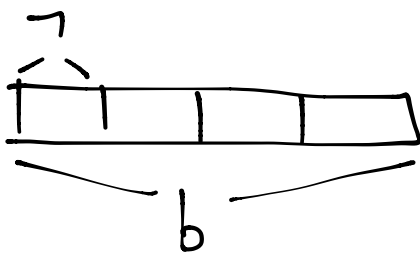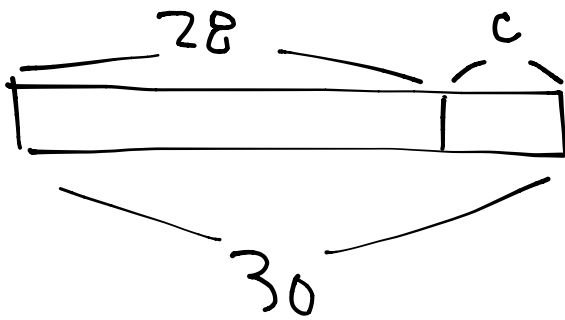
$$4 \times 7 = b$$
$$b = 28$$

Pedro spends $28 on books.

   b. Pedro hands the cashier 3 ten dollar bills. How much change will he receive? Write an equation to solve. Use the letter *c* to represent the unknown.
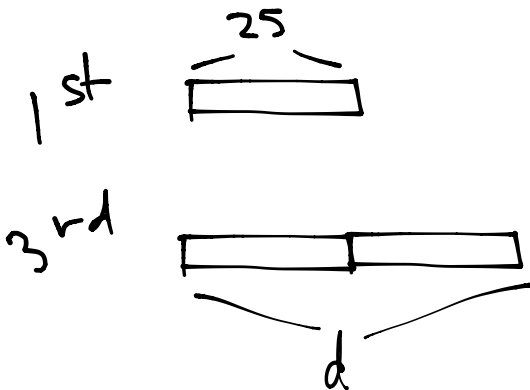
$$\$30 - \$28 = c$$
$$c = \$2$$

Pedro will get $2 in change.

4. On field day, the first grade dash is 25 meters long. The third grade dash is twice the distance of the first grade dash. How long is the third grade dash? Use a letter to represent the unknown and solve.

$$25 \times 2 = d$$
$$d = 50 \text{ meters}$$

The 3rd grade dash is 50 meters.