Name Date

**Diagnostic Test**

**Find the unknown.**

**1.**

7 +

= 14

**2.**

× 6 = 30

**1.**

**3.**

63 ÷

= 9

**4.**

15 –

= 7

**2.**

**3.**

**4.**

**5.**

**6.**

**5.**

9 ×

= 36

**6.**

40 ÷ 8 =

**7.**

Use the number sentence 27 + 8 +

= 54 to find

how many raffle tickets Amelia sold in Week 3.

**7.**

**Multiply or divide.**

**8.** 8 × 7 =

**8.**

**9.** 4 × 6 =

**9.**

**10.** 48 ÷ 8 =

**10.**

**11.** Trevor scored three more goals than Lindsay.

Together, they scored 5 goals. Draw a picture to show how many goals they each scored.

**11.**

**12.**

**12.** Hamilton earned $25 mowing grass in June and

$35 in July. How much did he earn for the two months? Write a number sentence with a symbol   
for the unknown. Solve.

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**Grade 3 • Chapter 9** Properties and Equations

**Raffle Tickets Sold**

**Week**

**Number of Tickets Sold**

1

27

2

8

3