1. The team's ratio of games won to
(53, 66) games played was 5 to 6. If the
team played 36 games, how many
games did the team fail to win?

2. Find the **a.** mean, **b.** median,
(28, **c.** mode, and **d.** range of the
Inv. 4) following scores:

60, 70, 90, 70, 80, 65, 95, 80,
100, 60

3. Elmo was chagrined to find that
(53, 66) the ratio of dandelions to peonies
in the garden was 11 to 4. If there
were 36 peonies in the garden, how
many dandelions were there?

4. Use a unit multiplier to convert
(50) 0.47 liter to milliliters.
(1 liter = 1000 milliliters)

5. Graph $x \leq -3$ on a number line.
(78)

6. Collect like terms:
(84) $3xy + xy - 4x + x$

Use ratio boxes to solve problems
7 and 8.

7. If sound travels 2 miles in
(72) 10 seconds, how far does sound
travel in 2 minutes?

8. Before the clowns arrived, only
(81) 35% of the children had happy
faces. If 117 children did not have
happy faces, how many children
were there in all?

9. Diagram this statement. Then
(71) answer the questions that follow.

*Forty-five thousand dollars was
raised in the charity drive. This
was nine tenths of the goal.*

a. The goal of the charity drive was
to raise how much money?

b. The drive fell short of the goal
by what percent?

10. A certain rectangular prism is
(70) 4 inches long, 2 inches wide, and
3 inches high. Sketch the figure
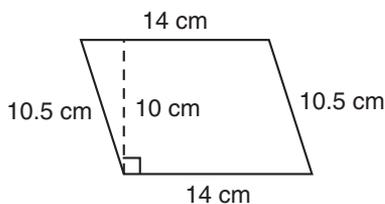and find its volume.

11. Find the area of this circle.
(82)

6 in. Use 3.14 for π.
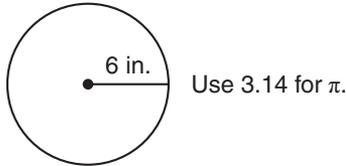
12. Complete this table.
(48)

Fraction	Decimal	Percent
$\frac{7}{20}$	a.	b.
c.	d.	6%

13. Multiply and write the
(83) product in scientific notation:
$(2.5 \times 10^6)(1.3 \times 10^9)$

Refer to the figure below for problems
14 and 15.

14 cm

10.5 cm 10 cm 10.5 cm

14 cm

14. Name this quadrilateral and find its
(19, perimeter.
Inv. 6)

15. Find the area of this quadrilateral.
(61)

Solve 16–17.

16. $15.4 = 1.4p$
(Inv. 7)

17. $z + \frac{4}{9} = 1\frac{1}{3}$
(Inv. 7)

Simplify 18–19.

18. $3\{25 - [7^2 - 4(11 - 4)]\}$
(63)

19. $(-3) + (-4) - (-7) + (-8)$
(64, 68)

20. Find the missing numbers in the
(56) table using the function rule. Then
graph the x, y pairs on a coordinate
plane and draw a line through the
points.

$y = 2x + 1$

x	y
0	☐
1	☐
2	☐

Saxon Math Course 2

Name _____

Score _____

1. The team's ratio of games won to
(53, 66) games played was 4 to 7. If the
team played 35 games, how many
games did the team fail to win?

2. Find the **a.** mean, **b.** median,
(28, **c.** mode, and **d.** range of the
Inv. 4) following scores:

50, 60, 80, 60, 70, 55, 85, 70,
90, 50

3. Milo was chagrined to find that the
(53, 66) ratio of dandelions to daisies in the
garden was 9 to 4. If there were
36 daisies in the garden, how many
dandelions were there?

4. Use a unit multiplier to convert
(50) 0.84 liter to milliliters.
(1 liter = 1000 milliliters)

5. Graph $x \geq -3$ on a number line.
(78)

6. Collect like terms:
(84) $4xy + xy - 3x + x$

Use ratio boxes to solve problems
7 and 8.

7. If sound travels 2 miles in
(72) 10 seconds, how far does sound
travel in 3 minutes?

8. Before the clowns arrived, only
(81) 45% of the children had happy
faces. If 110 children did not have
happy faces, how many children
were there in all?

9. Diagram this statement. Then
(71) answer the questions that follow.

*Forty-two thousand dollars was
raised in the charity drive. This
was seven tenths of the goal.*

a. The goal of the charity drive was
to raise how much money?

b. The drive fell short of the goal
by what percent?

10. A certain rectangular prism is
(70) 5 inches long, 2 inches wide, and
3 inches high. Sketch the figure
and find its volume.

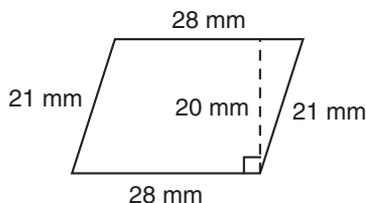**11.** Find the area of this circle.
(82)

7 in. Use $\frac{22}{7}$ for π.
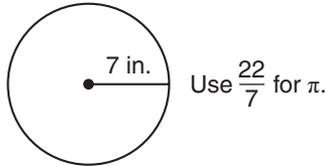
12. Complete this table.
(48)

Fraction	Decimal	Percent
$\frac{3}{20}$	a.	b.
c.	d.	8%

13. Multiply and write the
(83) product in scientific notation:
$(2.4 \times 10^6)(1.5 \times 10^7)$

Refer to the figure below for problems
14 and 15.

28 mm

21 mm   20 mm   21 mm

28 mm

14. Name this quadrilateral and find its
(19, perimeter.
Inv. 6)

15. Find the area of this quadrilateral.
(61)

Solve 16–17.

16. $16.8 = 1.4p$
(Inv. 7)

17. $y + \frac{5}{6} = 1\frac{4}{5}$
(Inv. 7)

Simplify 18–19.

18. $2\{25 - [7^2 - 4(11 - 5)]\}$
(63)

19. $(-4) + (-5) - (-8) + (-7)$
(64, 68)

20. Find the missing numbers in the
(56) table using the function rule. Then
graph the x, y pairs on a coordinate
plane and draw a line through the
points.

$y = 2x - 1$

x	y
0	☐
1	☐
2	☐

Saxon Math Course 2