Lesson 5-9 – Unit 5 Review

Objectives:

- Students will divide positive integers from the multiplication table without remainders, as evidenced by them passing one-minute quizzes.
- Students will solve percent equations, as evidenced by them completing a warm-up worksheet where they do so.
- Students will review for the upcoming comprehensive test, as evidenced by them completing an in-class practice test.

Materials:

- Unit calendar transparency
- Minute Quiz 5-9
- Warm-up 5-9
- "Unit 5 Comprehensive Test Practice" for each student
- "Unit 5 Comprehensive Test Practice Answer Key"

Do Now:

- Park stuff
- Work on warm-up
- Get ready for minute quiz

Homework:

- Study for Test on Friday
- Late work due Friday
- 9 hours of ALEKS due Friday

Time	Activity
Before Bell	**AGENDA, DO NOW, AND WARM-UPS** Write the **agenda** and the **do now** on the board. As students enter the classroom, shake their hands and direct them to follow the directions listed for the "do now."
10 min	**MINUTE QUIZ, WARM-UP, ATTENDANCE, AND HOMEWORK COLLECTION** **Minute Quiz and Warm-up** When the bell rings, quickly go around and put the **minute quiz** on each student's desk, face down. Then, start everyone on the quiz at the same time and give everyone one minute. Students should work on the warm-up when they're done with the minute quiz. After the minute is over, have a student collect the minute quizzes and give them to the teacher's aide (TA) to grade. **Attendance and Collect Homework** While students work on the warm-up, take **attendance** and have the TA collect **homework** & stamp homework checkers.
5 min	**ANNOUNCEMENTS** Explain to students that you have three announcements to make. **ALEKS** Ask students, *The first announcement has to do with ALEKS. This week, how many hours of ALEKS are due Today?* Point to the homework assignment that indicates the answer. *[Nine.]* **Unit Test** Put the unit calendar transparency on the overhead. Ask students, *When is the comprehensive test for this unit? [Friday]* **Late Work** Ask students, *When is late work due for this unit? [Friday]*
60 min	**PRACTICE TEST & ALEKS** Hold up a practice test packet, saying, *Each of you are going to get one of these practice test packets. This is an actual version of the test. So, the test on Friday will be exactly like it, except different numbers and such. So, I'm telling you exactly what will be on the test. You can whisper quietly with your table partner to work on the practice test. When you're finished, get it checked by me or the TA,*

	and we will give you permission to work on ALEKS. When students finish the practice comprehensive test and get them checked by the teacher or the TA, they can get a laptop to work on ALEKS.
5 min	**CLEAN UP** Students must check the laptops with the teacher or the TA before putting them away. After putting the laptops away, students should pack up, sit in their seats, and wait to be dismissed by the teacher (not by the bell). Make sure students push in their chairs as they leave.

Numeracy
Minute Quiz 5-9 A

Name:
Date: Period:

Solve the following division problems. You have exactly one minute!

40 ÷ 8 =	10 ÷ 5 =	81 ÷ 9 =
8 ÷ 2 =	50 ÷ 10 =	21 ÷ 7 =
11 ÷ 1 =	11 ÷ 11 =	40 ÷ 8 =
42 ÷ 6 =	70 ÷ 7 =	15 ÷ 3 =

Numeracy
Minute Quiz 5-9 A

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Date: Period:

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Numeracy
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8 ÷ 2 =	50 ÷ 10 =	21 ÷ 7 =
11 ÷ 1 =	11 ÷ 11 =	40 ÷ 8 =
42 ÷ 6 =	70 ÷ 7 =	15 ÷ 3 =

Numeracy
Minute Quiz 5-9 B

Name:
Date: Period:

Solve the following division problems. You have exactly one minute!

70 ÷ 10 =	48 ÷ 6 =	64 ÷ 8 =
40 ÷ 8 =	20 ÷ 2 =	35 ÷ 7 =
50 ÷ 10 =	28 ÷ 4 =	72 ÷ 12 =
14 ÷ 2 =	12 ÷ 4 =	5 ÷ 5 =

Numeracy
Minute Quiz 5-9 B

Name:
Date: Period:

Solve the following division problems. You have exactly one minute!

70 ÷ 10 =	48 ÷ 6 =	64 ÷ 8 =
40 ÷ 8 =	20 ÷ 2 =	35 ÷ 7 =
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Numeracy
Minute Quiz 5-9 B

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40 ÷ 8 =	20 ÷ 2 =	35 ÷ 7 =
50 ÷ 10 =	28 ÷ 4 =	72 ÷ 12 =
14 ÷ 2 =	12 ÷ 4 =	5 ÷ 5 =

Numeracy
Minute Quiz 5-9 C

Name:
Date: Period:

Solve the following division problems. You have exactly one minute!

20 ÷ 10 =	32 ÷ 4 =	63 ÷ 7 =
9 ÷ 3 =	108 ÷ 9 =	36 ÷ 6 =
28 ÷ 4 =	20 ÷ 5 =	16 ÷ 8 =
24 ÷ 6 =	9 ÷ 1 =	16 ÷ 4 =

Numeracy
Minute Quiz 5-9 C

Name:
Date: Period:

Solve the following division problems. You have exactly one minute!

20 ÷ 10 =	32 ÷ 4 =	63 ÷ 7 =
9 ÷ 3 =	108 ÷ 9 =	36 ÷ 6 =
28 ÷ 4 =	20 ÷ 5 =	16 ÷ 8 =
24 ÷ 6 =	9 ÷ 1 =	16 ÷ 4 =

Numeracy
Minute Quiz 5-9 C

Name:
Date: Period:

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9 ÷ 3 =	108 ÷ 9 =	36 ÷ 6 =
28 ÷ 4 =	20 ÷ 5 =	16 ÷ 8 =
24 ÷ 6 =	9 ÷ 1 =	16 ÷ 4 =

Numeracy
Warm-up 5-9

Name:
Date: Period:

Solve each proportion.

1. $a = \frac{2}{3} \cdot 6$ **2.** $\frac{b}{4} = \frac{3}{6}$ **3.** $\frac{6}{9} = \frac{c}{12}$

Answer the following questions.

4. How many hours of ALEKS are due by Friday? _____

5. When is the comprehensive test for this unit? _____

6. When is your late work due for this unit? _____

7. What units did we cover this year (fill in the blanks)?

Integers, Fractions, _____, Polynomials, _____

Numeracy
Warm-up 5-9

Name:
Date: Period:

Solve each proportion.

1. $a = \frac{2}{3} \cdot 6$ **2.** $\frac{b}{4} = \frac{3}{6}$ **3.** $\frac{6}{9} = \frac{c}{12}$

Answer the following questions.

4. How many hours of ALEKS are due by Friday? _____

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6. When is your late work due for this unit? _____

7. What units did we cover this year (fill in the blanks)?

Integers, Fractions, _____, Polynomials, _____

Unit 5 Comprehensive Test

Numeracy • 2008-2009
Mr. Wong

Read and sign the honor code below:

I, _____, swear on my honor that:
Yo, _____, doy mi palabra de honor que:

1. All of the work on this test is all mine. I did not copy any other student's work or ask any student for help.
   Todo el trabajo en este examen es mío. Yo no lo copie de ningún otro estudiante o pedí ayuda de otro estudiante.
2. I did not allow any other student to look at my paper and copy my work.
   No le permití a ningún otro estudiante ver mi examen ni copiar mi trabajo.
3. I will not have a cell phone or any electronic device anywhere on my person. This includes no cell phone or electronic device in my pockets, lap and clothing or any other area around my desk.
   No tendré un celular disponible en mi persona o en ningún otro lugar.
4. I will not communicate with other students in any way during the two hours of this test. This means I will not talk, pass notes, whisper, make hand signals, or anything else that a teacher may interpret as communication.
   No me comunicaré con ningún otro estudiante de ninguna manera durante estas dos horas de exámenes. Esto quiere decir que no hablaré, pasaré notas, soplaré, haré señas con mis manos o cualquier otra cosa que el/ la maestro(a) pueda interpretar como comunicación.

I realize that if I break any of the rules my test will be taken away and I will be given a 0.
Yo reconozco que si no sigo estas reglas me quitaran el examen y recibiré un 0.

_____ _____
Student Signature/Firma de estudiante Date/Fecha

You must show your work for credit!

Name:
Date: Period:

1 Which of the following is ***not*** a correct way to write a ratio?

A 2 to x
B x : 9
C x / 5
D x = 3

---

2 John eats seven times every ten hours. Write this as a ratio.

A 7 hours to 10 eats
B 7 eats / 10 hours
C 7 hours : 10 eats
D 7 eats = 10 hours

---

3 Mr. Wong bought five books for ten dollars. Which of the following is ***not*** a correct way to write this as a ratio?

A 5 books : 10 dollars
B 5 books = 10 dollars
C 10 dollars to 5 books
D 5 books / 10 dollars

---

4 Solve the following proportion:

$$\frac{x}{3} = \frac{2}{6}$$

A 3
B 1
C 6
D 2

5 Solve the following proportion:

$$\frac{4}{6} = \frac{n}{9}$$

A 6
B 4
C 9
D 3

---

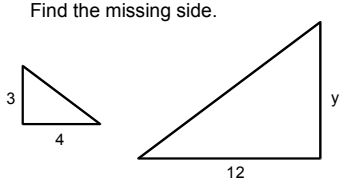
6 Solve the following proportion:

$$\frac{25}{100} = \frac{8}{n}$$

A 24
B 32
C 36
D 2

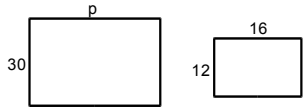
---

7 The following shapes are similar. Find the missing side.



A 8
B 4
C 16
D 9

8 The following shapes are similar. Find the missing side.



A 22.5
B 6
C 40
D 35

---

9 Write 75% as a fraction.

A $\frac{3}{4}$
B $\frac{75}{1}$
C $\frac{7}{5}$
D $\frac{100}{75}$

---

10 Write 125% as a fraction.

A $\frac{4}{5}$
B $1\frac{1}{4}$
C $\frac{125}{1}$
D $\frac{12}{5}$

11 Write 36% as a decimal.

A 3.6
B 0.36
C 36.
D 3600

---

12 Write 220% as a decimal.

A 2.2
B 22.0
C 0.22
D 22000

---

13 Write 0.24 as a percent.

A 2.4%
B 240%
C 0.24%
D 24%

---

14 Write 1.2 as a percent.

A 12%
B 120%
C 1.2%
D 0.012%

15 Write $\frac{1}{4}$ as a percent.

A 1.4%
B 0.25%
C 4%
D 25%

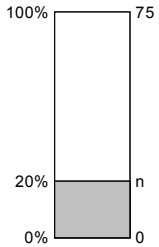
---

16 Write $\frac{3}{8}$ as a percent.

A 37.5%
B 0.375%
C 3.8%
D 38%

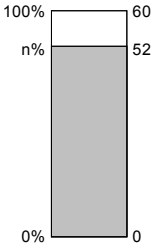
---

17 The following diagram represents which percent problem?



A 20 is what percent of 75?
B 75 is what percent of 20?
C What is 20% of 75?
D 75 is 20% of what number?

18 The following diagram represents which percent problem?



A 52 is what percent of 60?
B What is 52% of 60?
C 60 is 52% of what number?
D What is 62% of 100?

---

19 The following percent equation represents which percent problem?

$$30 = \frac{x}{100} \cdot 40$$

A What is 30 percent of 40?
B 30 is 40% of what number?
C 30 is what percent of 40?
D 40 is what percent of 30?

---

20 The following percent equation represents which percent problem?

$$24 = \frac{80}{100} \cdot x$$

A 24 is 80% of what number?
B What is 24% of 80?
C 24 is what percent of 80?
D What is 80% of 100?

21 What is 80% of 20?

A 12
B 16
C 25
D 18

22 What is 12% of 75?

A 9
B 66
C 12
D 90

23 11 is what percent of 20?

A 5.5%
B 55%
C 0.55%
D 1.81%

24 96 is what percent of 150?

A 0.64%
B 1.56%
C 6.4%
D 64%

25 120 is 15% of what number?

A 1850
B 800
C 18
D 12.5

26 32 is 40% of what number?

A 120
B 75
C 80
D 125

27 Last year, the number of dogs on DCP's field was 10. This year, the number of dogs rose to 18. What is the percent of increase?

A 8%
B 80%
C 44%
D 55%

28 The amount of money in Mr. Wong's wallet decreased from $20 to $17. What is the percent of decrease?

A -3%
B -15%
C -12%
D -85%

29 Boots that normally sell for $125 are on sale for 15% off. What is the discount?

A $20.50
B $18.75
C $17.50
D $19.95

30 Shoes that normally sell for $85 are on sale for 20% off. What is the discount?

A $15.00
B $23.53
C $425.00
D $17.00

Numeracy
Unit 5 Comprehensive Test

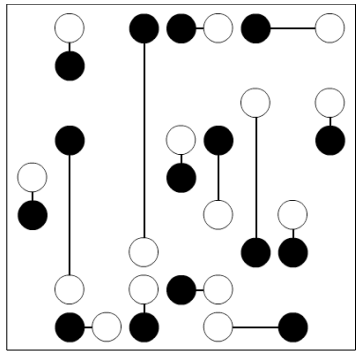
Name:
Date: Period:

Extra Credit

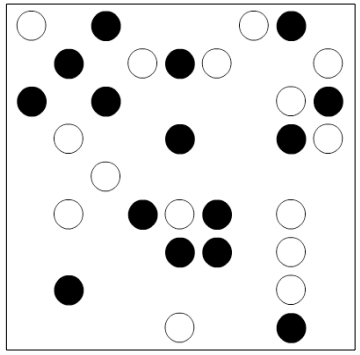
How to Play Cidouri

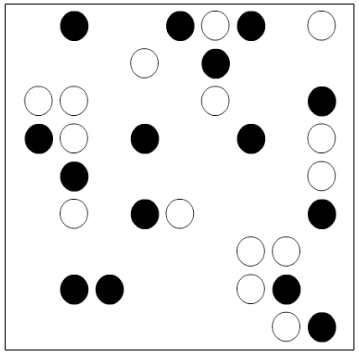
To complete a Cidouri puzzle, you must make pairs of white and black dots by connecting them with horizontal (side-to-side) or vertical (up-and-down) line. So, you cannot use diagonal lines. Each dot can only be used once, and the lines cannot cross.

Example of a Completed Puzzle



Extra Credit Puzzles

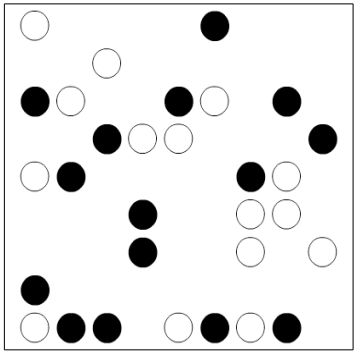


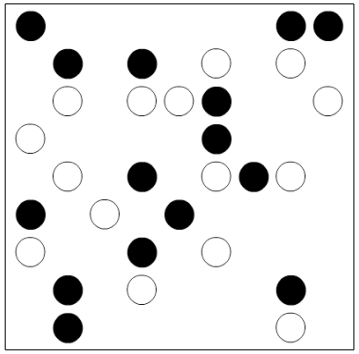


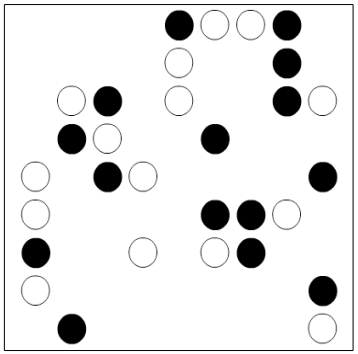
Numeracy
Unit 5 Comprehensive Test

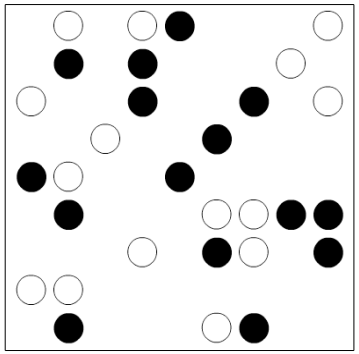
Name:
Date: Period:

More Extra Credit Puzzles









Unit 5 Comprehensive Test Practice
Answer Key

1. D
2. B
3. B
4. B
5. A
6. B
7. D

8. C
9. A
10. B
11. B
12. A
13. D
14. B

15. D
16. A
17. C
18. A
19. C
20. A

21. B
22. A
23. B
24. D
25. B
26. C

27. B
28. B
29. B
30. D