

Name:

Date:

Color: Must Show Work

Grade 6 UNIT 1 ASSESSMENT

1. What is $\frac{1}{5}$ divided by $\frac{2}{3}$? (GNS1)

- A. $\frac{2}{15}$
- C. 2

- B. 3
- D. $\frac{3}{10}$

2. Find the quotient. (GNS1)

$$5\frac{2}{3} \div \frac{1}{3} = \underline{\quad}$$

- A. $1\frac{8}{9}$
- C. $5\frac{2}{9}$

- B. 17
- D. 15

3. Daryl is making his famous chocolate chip cookies. He needs $4\frac{1}{3}$ cups of flour for his recipe. He only has a $\frac{1}{2}$ cup measuring cup. How many times will he fill the $\frac{1}{2}$ cup to get $4\frac{1}{3}$ cups of flour? (GNS1)

- A. 8 times
- C. $4\frac{2}{3}$ times

- B. $8\frac{1}{2}$ times
- D. 5 times

4. 315 students were asked to perform in a concert off campus. The transport bus holds 17 students. If all students will be traveling to the concert, how many transport busses will they need? (GNS2)

- A. 18 busses
- C. 20 busses

- B. 19 busses
- D. 17 busses

5. There are 1152 seats in Sandy Creek's Auditorium. Each of the 64 rows in the auditorium has the same number of seats. How many seats are in each row? (GNS2)

- A. 13 seats
- C. 18 seats

- B. 23 seats
- D. 28 seats

6. Mrs. Hosner paid \$5.80 for 2.4 pounds of fish. About how much did she pay for each pound of the fish she bought? (GNS3)

- A. \$8.20
- C. \$2.42

- B. \$6.20
- D. \$1.66

7. Find the difference. (GNS3)

$$6.8 - 0.215 = \underline{\quad}$$

- A. 6.585
- C. 147

- B. 5.250
- D. 6.223

8. Bailey rides her scooter 48.15 miles to and from her job each week. How many miles does she travel in all to and from her job in 15 weeks? (GNS3)

- A. 48.3 miles
- C. 722.25 miles

- B. 63.15 miles
- D. 7222.5 miles

9. Jessica went shopping for new school supplies. The prices are listed below.

Item	Price
Binder	\$6.50
Glue Stick	\$0.84
Pencils	\$0.23

Jessica bought 2 binders, 4 glue sticks, and 7 Pencils. How much change would Jessica receive from \$20? (GNS3)

- A. \$2.09
- C. \$17.71

- B. \$3.01
- D. \$17.91

2.03

10. What is the greatest common factor of 45 and 75? (GNS4)

- A. 13
- C. 14

- B. 15
- D. 16

11. Sausage patties come in packages of 9. Biscuits come in packages of 15. If Emily wants to have enough to serve sausage biscuits to 45 people and have none left, how many packages of sausages and biscuits should she purchase? (GNS4)

- A. 5 packages of sausage and 3 packages of biscuits.

- B. 9 packages of sausage and 15 packages of biscuits.

- C. 3 packages of sausage and 5 packages of biscuits.

- D. 15 packages of sausage and 9 packages of biscuits.

12. A student claims that she can use common denominators to divide fractions. Does this work in all cases? If so, show below how you might divide $\frac{3}{4}$ by $\frac{2}{3}$ using common denominators. If this is not possible, explain why below. (GNS1)

yes

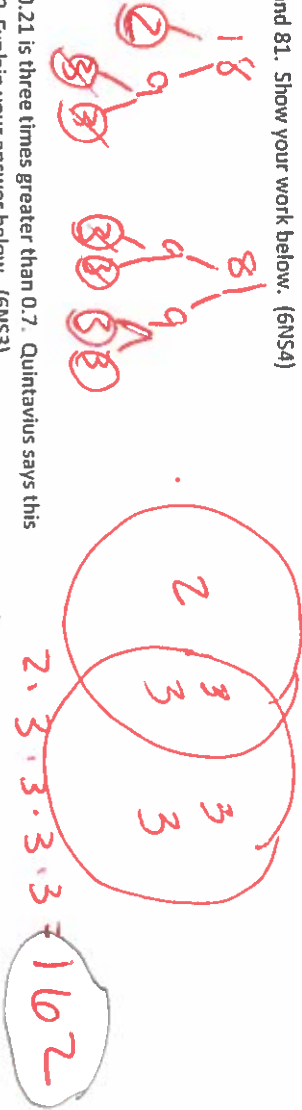
$$\frac{3}{4} \div \frac{2}{3} = \frac{3}{4} \times \frac{3}{2} = \frac{9}{8} = 1\frac{1}{8}$$

13. A clock chimes every 4 hours. Another clock chimes every 6 hours. Considering they both chimed at midnight, how many times will they chime together before 1:00 am the next day? Explain your answer below. (6NS4)

LCM = 12

12:00 Am - 12:00 Pm = 1 chime
 12:00 Pm - 12:00 Am = 1 chime
2 chimes

14. Find the LCM of 18 and 81. Show your work below. (6NS4)



15. Margaret says that 0.21 is three times greater than 0.7. Quintavius says this is not true. Who is right? Explain your answer below. (6NS3)

Quintavius is right

0.7
 x 3

 2.1

16. $2\frac{1}{2}$ cakes will be shared equally among 3 people. How much will each person get? Show your answer on the figure below. Label how many parts each person would get. (6NS1)

