

Grade 7 Summer Math Packet

Name: _____

Date: _____

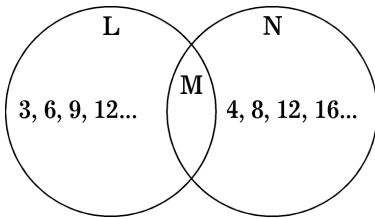
1. How many fourths are in $1\frac{7}{8}$? 1. _____

2. Which of the following is a common multiple of 4 and 10? 2. _____

- A. 90 B. 100 C. 104 D. 110

3. Divide and simplify: $4\frac{2}{3} \div \frac{14}{3} =$ 3. _____

4. Which of the following numbers could be included in area M? 4. _____



- A. 1, 12, 24 B. 3, 6, 8 C. 12, 24, 36 D. only 12

5. Read the list. 5. _____

- A. account balance of $-\$3$
- B. debt of $\$25$
- C. account balance of $-\$16$
- D. debt of $\$45$

Which of these indicates the worst financial condition?

6. Read the list. 6. _____

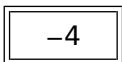
- A. temperature change of -8 degrees
- B. temperature change of 9 degrees
- C. temperature change of -3 degrees
- D. temperature change of 11 degrees

Which of these indicates the lowest temperature?

7. In the fragrance section of a department store, 7 out of every 10 customers stopped for a free sample. 7. _____

Write the ratio in three different ways.

8. Look at the number in the box. 8. _____



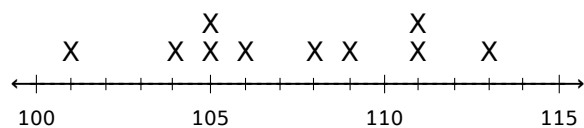
- I. the opposite of 4
- II. negative 4
- III. positive 4
- IV. the opposite of the opposite of 4

Which of the following describes the number?

9. $\frac{1}{8} \div \frac{1}{3}$ 9. _____

10. The line plot shows Duane's recent golf scores. 10. _____

Golf Scores



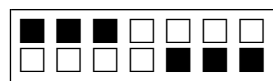
Duane predicts that his next score will be 109.

Is the prediction reasonable?

11. Find the quotient: $0.04 \overline{)0.224}$ 11. _____

12. Subtract 10.0075 from 18.2. 12. _____

13. What is the ratio of shaded squares to non-shaded squares in the picture? 13. _____



14. Evaluate: $3a^2 - 4a + 2$ when $a = 2$ 14. _____

15. Which of these has the opposite value of 2? 15. _____
- A. $|-2|$ B. $-(-2)$ C. 0 D. -2

16. What is the greatest common factor of 28 and 42? 16. _____

17. Uncle Frank enjoys fishing. He wants to spend the least amount of money to purchase three different fishing lures and one fishing accessory. 17. _____

Fishing Lures

Item	Price (dollars)
silver minnow	4.25
lindy jig spinner	5.75
dragonfly nymph	6.75
scented artificial worm	1.75

Fishing Accessory

Item	Price (dollars)
net	17.85
stringer	9.95
pliers	7.75

How much money will Uncle Frank spend?

18. Simplify: $\frac{3 + 3 \cdot 3}{3}$ 18. _____

19. The coldest five consecutive days in Great Falls, Montana, during February were -15°F , 3°F , -4°F , -23°F , and -12°F . Which list has the temperatures in order from warmest to coldest? 19. _____

- A. -23°F , -15°F , -12°F , -4°F , 3°F B. 3°F , -23°F , -15°F , -12°F , -4°F
 C. 3°F , -4°F , -12°F , -15°F , -23°F D. 3°F , -4°F , -23°F , -15°F , -12°F

20. Write 48% as a fraction. 20. _____

21. Evaluate $4.7t + 3.8$ for $t = 3.1$ 21. _____

22. What is 18% expressed as decimal? 22. _____

23. What is the absolute value of a number? 23. _____

24. Given $x = 2$, what is $4x(x + 3)$? 24. _____

25. In the expression below, which operation is performed first?

25. _____

$$-\frac{3}{4} + \frac{4}{5} \div \frac{1}{3} \times \frac{2}{5} - \frac{1}{4}$$

A. $\frac{4}{5} \div \frac{1}{3}$

B. $\frac{1}{3} \times \frac{2}{5}$

C. $\frac{2}{5} - \frac{1}{4}$

D. $-\frac{3}{4} - \frac{1}{4}$

26. What comparison is being made with the ratio 7 : 24?

26. _____

36	Basketballs
24	Baseballs
7	Tennis Balls
5	Soccer Balls
3	Lacrosse Balls

27. Find the sum: $3.6 + 1.23 + 0.042$

27. _____

28. A free throw contest was held during half time at the Western Harnett High School basketball game. Which student successfully completed $\frac{2}{3}$ of his or her free throws?

28. _____

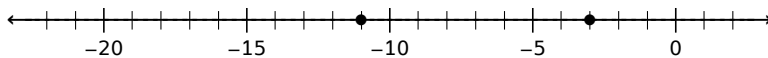
- A. Troy
- C. Jody

- B. Cynthia
- D. Kristy

Contestant	Free Throws
Troy	11 of 33
Cynthia	16 of 33
Jody	22 of 33
Kristy	23 of 33

29. Kylie used a marker to draw a number line.

29. _____



Kylie says that $-3 < -11$. Is she correct?

30. Simplify $8 - 4 \cdot 2 + 5$ using the correct order of operations.

30. _____

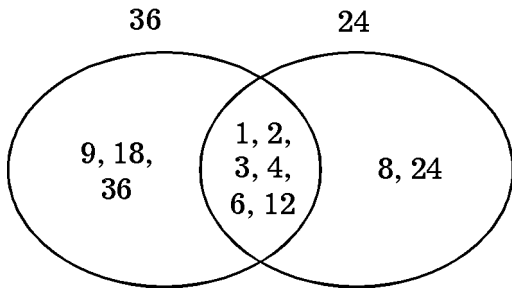
31. Write 1.34 as a percent.

31. _____

32. $\frac{7}{6} \div 3 =$

32. _____

33. The factors of 36 and 24 are shown below in a Venn Diagram. Which of the following statements is true? 33. _____



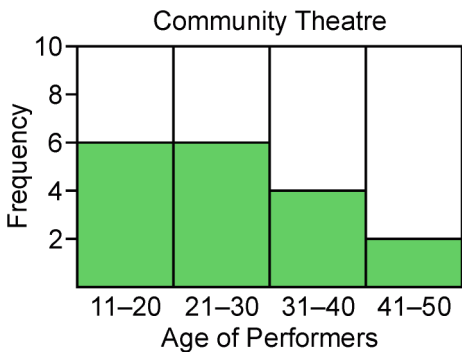
- A. The number 24 has 6 factors.
- B. The number 36 has only 3 factors.
- C. The numbers 36 and 24 have 7 common factors.
- D. The number 12 is a common factor of 36 and 24.

34. Use the data below to answer the following question(s). 34. _____

Jennifer belongs to a community theatre group. She collected information about performer ages in a frequency table and displayed the data in a histogram.

Performer Age

18	19	32	41	16	25
16	24	31	34	23	18
22	37	19	21	48	27



Which of these describes performer ages?

- A. Exactly 50% of the performers are 30 years old or younger.
- B. More than 60% of the performers are over 30 years old.
- C. One-third of the performers are 21-30 years old.
- D. There are 6 performers who are over 40 years old.