

Chapter 2 Grade Math Review

- _____ 1. Identify the prime number: 132, 300, 466, 479.
a. 132 b. 300 c. 479 d. 466
- _____ 2. Find the GCF of 93 and 51 by listing factors.
a. 4 b. 3 c. 12 d. 6
- _____ 3. Three different scout troops have 12, 24, and 18 members. These troops must march together in a parade in the same number of columns. What is the greatest possible number of scouts in each column?
a. 9 scouts b. 6 scouts c. 8 scouts d. 4 scouts
- _____ 4. Write $\frac{42}{49}$ in simplest form using the GCF.
a. $\frac{12}{14}$ b. $\frac{5}{5}$ c. $\frac{7}{8}$ d. $\frac{6}{7}$

Write the decimal as a mixed number or fraction in simplest form.

- _____ 5. 0.54
a. $\frac{27}{50}$ b. $\frac{1}{2}$ c. $\frac{14}{25}$ d. $1\frac{23}{27}$
- _____ 6. A player has a batting average of .135. Write this decimal as a fraction in simplest form.
a. $\frac{1}{8}$ b. $\frac{27}{200}$ c. $\frac{7}{50}$ d. $\frac{13}{100}$
- _____ 7. You conducted a survey to determine your classmates' favorite colors. After polling 44 classmates, you arranged your data in the table below.

Favorite Color

Color	Number of Students
Red	2
Orange	1
Yellow	10
Green	9
Blue	2
Purple	2
Brown	8
Black	2
Gray	8

What fraction of the people you surveyed named purple or brown as their favorite color? Write the fraction in simplest form.

- a. $\frac{10}{44}$ b. $\frac{2}{44}$ c. $\frac{20}{88}$ d. $\frac{5}{22}$

Order the set of numbers from least to greatest.

_____ 8. $\frac{2}{9}, 0.67, -\frac{2}{5}, 0.6$

a. $0.67, 0.6, \frac{2}{9}, -\frac{2}{5}$

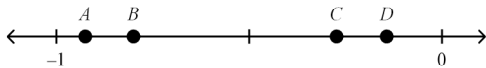
c. $-\frac{2}{5}, 0.6, \frac{2}{9}, 0.67$

b. $-\frac{2}{5}, \frac{2}{9}, 0.6, 0.67$

d. $\frac{2}{9}, 0.67, -\frac{2}{5}, 0.6$

_____ 9. Match each point with one of the following rational numbers:

$-\overline{0.27}, -\frac{4}{5}, -\frac{1}{7}, -0.925.$



a. $A = -\frac{1}{7}; B = -\overline{0.27}; C = -\frac{4}{5}; D = -0.925$

b. $A = -0.925; B = -\overline{0.27}; C = -\frac{4}{5}; D = -\frac{1}{7}$

c. $A = -0.925; B = -\frac{4}{5}; C = -\overline{0.27}; D = -\frac{1}{7}$

d. $A = -\frac{4}{5}; B = -\frac{1}{7}; C = -\overline{0.27}; D = -0.925$

Find the sum or difference. Write your answer as a mixed number or a fraction in simplest form.

_____ 10. $\frac{2}{5} + \frac{1}{9}$

a. $\frac{1}{15}$

b. $\frac{23}{45}$

c. $\frac{3}{14}$

d. $\frac{19}{45}$

_____ 11. $\frac{4}{5} - \frac{3}{8}$

a. $\frac{1}{40}$

b. $1\frac{7}{40}$

c. $\frac{7}{10}$

d. $\frac{17}{40}$

_____ 12. $4\frac{2}{7} - 1\frac{1}{3}$

a. $2\frac{20}{21}$

b. $3\frac{1}{21}$

c. $3\frac{1}{10}$

d. $2\frac{17}{21}$

- _____ 13. Last week, Chris kept track of the distance she ran each day.

Monday	Tuesday	Wednesday	Thursday	Friday
2 mi	$1\frac{1}{2}$ mi	1 mi	$1\frac{3}{5}$ mi	$1\frac{2}{5}$ mi

How many miles did Chris run last week?

- a. $7\frac{1}{2}$ mi b. $4\frac{1}{2}$ mi c. $6\frac{3}{25}$ mi d. $6\frac{1}{2}$ mi
- _____ 14. In the past two months, a city had 7 in. of rain. This month, it rained $3\frac{1}{12}$ in. How many inches of rain fell last month?
- a. $10\frac{1}{12}$ in. b. $4\frac{11}{12}$ in. c. $3\frac{11}{12}$ in. d. $2\frac{11}{12}$ in.
- _____ 15. A recipe calls for $2\frac{5}{8}$ cups of flour. You have only $\frac{1}{3}$ cup left in your old bag of flour. How much flour do you need from your new bag of flour?
- a. $1\frac{7}{24}$ cups b. $2\frac{23}{24}$ cups c. $2\frac{7}{24}$ cups d. $2\frac{1}{4}$ cups
- _____ 16. Paul needs $3\frac{7}{8}$ yd of fabric to make a tablecloth. How many tablecloths can he make from $38\frac{3}{4}$ yd of fabric?
- a. 10 tablecloths b. 11 tablecloths c. 9 tablecloths d. 12 tablecloths
- _____ 17. Sue needs $2\frac{1}{3}$ cups of flour for a batch of cookies. How many complete batches can she make with 10 cups of flour?
- a. 5 batches b. 3 batches c. 2 batches d. 4 batches
- _____ 18. A sewing teacher has pieces of yarn that are 55 inches long and 85 inches long. If he cuts the yarn into pieces of equal length, what is the longest possible length of each piece?
- a. 8 in. b. 5 in. c. 7 in. d. 4 in.
- _____ 19. Solve $b + 2\frac{1}{6} = -1\frac{3}{8}$. Write the answer as a mixed number or as a fraction in simplest form.
- a. $-2\frac{13}{24}$ b. $-3\frac{13}{24}$ c. $\frac{19}{24}$ d. $-\frac{5}{24}$

Simplify.

- _____ 20. $(\frac{5}{6} + 2) \div (-\frac{1}{5})$
- a. $-\frac{17}{30}$ b. $\frac{7}{30}$ c. $-14\frac{1}{6}$ d. $5\frac{5}{6}$
21. Tell whether 5,136 is divisible by 2, 3, 4, 5, 9, or 10. Write *none of these* if applicable.
22. Use a factor tree to find the prime factorization of 112.
23. When you divide a negative fraction by a whole number, will the answer be greater than or less than the negative fraction? Explain.