

6th Grade Summer Math Packet 1

Multiple Choice

Identify the choice that best completes the statement or answers the question.

What is the value of the underlined digit?

- _____ 1. 96,354
a. 9 hundred thousand c. 9 ten thousand
b. 6 ten thousand d. 6 thousand
- _____ 2. Write 689,150 in word form.
a. six hundred eighty-nine thousand, one hundred fifty
b. eight hundred sixty-nine thousand, one hundred fifty
c. six hundred eighty-nine thousand, one hundred five
d. sixty-eight thousand nine, one hundred fifty
- _____ 3. Write six thousand, five hundred sixty-seven in standard form.
a. 656 b. 6,567 c. 65,670 d. 6,000,567
- _____ 4. Round 78,407,287 to the nearest thousand.
a. 78,400,000 b. 78,410,000 c. 78,407,000 d. 78,407,300

Find the sum.

- _____ 5.
$$\begin{array}{r} 3,449 \\ + 1,453 \\ \hline \end{array}$$

a. 4,892 b. 4,899 c. 4,902 d. 4,915
- _____ 6. $744 + 1,389$
a. 2,126 b. 2,133 c. 2,137 d. 2,122

Find the difference.

- _____ 7.
$$\begin{array}{r} 6,346 \\ - 526 \\ \hline \end{array}$$

a. 5,789 b. 5,808 c. 6,872 d. 5,820
- _____ 8.
$$\begin{array}{r} 50,833 \\ - 25,807 \\ \hline \end{array}$$

a. 25,049 b. 25,007 c. 24,924 d. 25,026

Find the product.

- ___ 9. 55×95
a. 5,232 b. 5,222 c. 5,225 d. 5,277
- ___ 10. 509×69
a. 35,136 b. 35,121 c. 35,113 d. 35,098
- ___ 11. $\frac{235 \times 100}{100}$
a. 235,000 b. 23,500 c. 11,750 d. 2,350

Find the quotient.

- ___ 12. $4 \overline{)192}$
a. 50 b. 45 c. 48 d. 54
- ___ 13. $9 \overline{)712}$
a. 79 R1 b. 75 R1 c. 79 d. 79 R3
- ___ 14. $31 \overline{)651}$
a. 23 R3 b. 31 R3 c. 23 R0 d. 21 R0
- ___ 15. $22 \overline{)88}$
a. 6 R0 b. 22 R6 c. 6 R6 d. 4 R0
- ___ 16. $9 \overline{)6,320}$
a. 712 R0 b. 702 R0 c. 712 R2 d. 702 R2

6th Grade Summer Math Packet 2

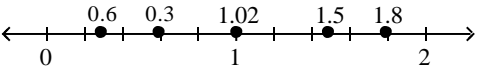
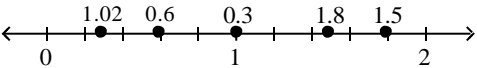
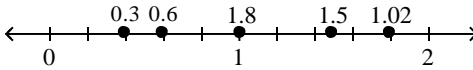
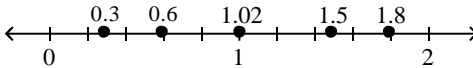
Multiple Choice

Identify the choice that best completes the statement or answers the question.

Write the decimal in words.

- _____ 1. 15.034
- a. fifteen and thirty-four thousands
 - b. fifteen and thirty-four hundredths
 - c. fifteen and thirty-four hundreds
 - d. fifteen and thirty-four thousandths
- _____ 2. 0.906
- a. nine hundred and six thousandths
 - b. nine hundred six ten-thousandths
 - c. nine hundred and six ten-thousandths
 - d. nine hundred six thousandths

Order the set of numbers on a number line.

- _____ 3. 0.3, 0.6, 1.5, 1.8, 1.02
- a. 
- b. 
- c. 
- d. 

Use $>$, $=$, or $<$ to complete the statement.

- _____ 4. $0.66 \square 0.37$
- a. =
 - b. $<$
 - c. $>$
- _____ 5. $7.80 \square 7.8$
- a. $>$
 - b. $<$
 - c. =

First estimate and then find the difference.

- _____ 6. $17 - 0.34$
- a. 18.34
 - b. 17; 16.66
 - c. 16; 15.66
 - d. 17; 17.34
- _____ 7. $2.4 - 1.3$
- a. 2; 2.1
 - b. 4; 3.7
 - c. 1; 1.1
 - d. 0; 0.1
- _____ 8. Manny has \$75.59 in his savings account. He takes out \$12.15. How much money does he have left in the account?
- a. \$63.45
 - b. \$63.44
 - c. \$85.72
 - d. \$87.74

6th Grade Summer Math Packet 3

Multiple Choice

Identify the choice that best completes the statement or answers the question.

Find the sum.

_____ 1. $\frac{3}{7} + \frac{2}{7}$

a. $\frac{2}{3}$

b. $\frac{4}{7}$

c. $\frac{5}{7}$

d. $\frac{7}{5}$

_____ 2. $\frac{1}{2} + \frac{3}{8}$

a. $\frac{1}{2}$

b. $\frac{3}{4}$

c. $\frac{7}{8}$

d. $\frac{4}{10}$

_____ 3. $\frac{1}{8} + \frac{1}{12}$

a. $\frac{4}{5}$

b. $\frac{1}{24}$

c. $\frac{1}{5}$

d. $\frac{5}{24}$

_____ 4. $6\frac{1}{4} + 7\frac{2}{3}$

a. $13\frac{3}{12}$

b. $13\frac{3}{7}$

c. $14\frac{1}{7}$

d. $13\frac{11}{12}$

_____ 5. $2\frac{1}{10} + 4\frac{3}{5}$

a. $\frac{10}{67}$

b. $\frac{2}{13}$

c. $\frac{7}{610}$

d. $13\frac{2}{5}$

_____ 6. Gerri spends $\frac{5}{24}$ of her money on pencils and $\frac{3}{24}$ on paper. What fraction of her money does she spend? Give the answer in simplest form.

a. $\frac{1}{3}$

b. $\frac{4}{3}$

c. $\frac{3}{8}$

d. $\frac{8}{23}$

Find the difference.

_____ 7. $\frac{9}{14} - \frac{5}{14}$

a. $\frac{4}{7}$

b. $\frac{2}{7}$

c. $\frac{4}{0}$

d. $\frac{12}{7}$

_____ 8. $\frac{3}{8} - \frac{1}{4}$

a. $\frac{1}{2}$

b. $\frac{1}{8}$

c. $\frac{9}{8}$

d. $\frac{3}{4}$

- _____ 9. $\frac{17}{18} - \frac{11}{18}$
 a. $\frac{5}{18}$ b. $\frac{7}{18}$ c. $\frac{1}{18}$ d. $\frac{1}{3}$
- _____ 10. $7\frac{1}{2} - 6\frac{3}{10}$
 a. $13\frac{4}{5}$ b. $1\frac{1}{4}$ c. $1\frac{1}{5}$ d. $1\frac{1}{10}$
- _____ 11. $5\frac{3}{5} - 2\frac{1}{4}$
 a. $3\frac{7}{20}$ b. $2\frac{1}{4}$ c. $5\frac{3}{5}$ d. $7\frac{17}{20}$
- _____ 12. $39 - 23\frac{3}{7}$
 a. $39\frac{3}{7}$ b. $62\frac{3}{7}$ c. $2\frac{1}{3}$ d. $15\frac{4}{7}$
- _____ 13. $9\frac{5}{12} - 4\frac{2}{3}$
 a. $4\frac{1}{12}$ b. $5\frac{1}{3}$ c. $5\frac{1}{4}$ d. $4\frac{3}{4}$
- _____ 14. Sarah and George went on a hiking trip over the weekend to Mt. Shasta. On Saturday they hiked $\frac{9}{12}$ mile. On Sunday they hiked $\frac{4}{12}$ mile. What is the difference between the distances they hiked on Saturday and Sunday?
 a. $\frac{1}{4}$ mi b. $\frac{5}{12}$ mi c. $1\frac{1}{12}$ mi d. $\frac{1}{3}$ mi
- _____ 15. Jared is scheduled to work for $\frac{4}{5}$ of an hour at the school fair. He has already worked $\frac{1}{6}$ of an hour. How much longer does he have to work?
 a. 1 h b. $\frac{1}{6}$ h c. $\frac{19}{30}$ h d. $\frac{4}{5}$ h

6th Grade Summer Math Packet 4

Multiple Choice

Identify the choice that best completes the statement or answers the question.

List all the factors of the number.

- _____ 1. 48
a. 1, 2, 3, 7, 8, 12, 48
b. 2, 3, 4, 6, 8, 16, 24
c. 1, 2, 3, 4, 6, 8, 12, 16, 24, 48
d. 2, 3, 4, 6, 8, 9, 12, 16, 24
- _____ 2. 40
a. 1, 2, 3, 5, 10, 15, 50
b. 1, 2, 5, 10, 25, 50
c. 1, 2, 4, 5, 8, 10, 20, 40
d. 2, 3, 4, 10, 20, 30, 40
- _____ 3. Which number is composite?
53, 81, 41, 47, 31
a. 41
b. 81
c. 47
d. 31

Find the prime factorization of the number.

- _____ 4. 168
a. $2^4 \times 3 \times 7$
b. $2^3 \times 3 \times 7$
c. $2^3 \times 3^3 \times 7$
d. $2^4 \times 3^3 \times 13$
- _____ 5. 540
a. $2^2 \times 3^3 \times 10$
b. $2 \times 3^3 \times 5^3$
c. $2^2 \times 3^3 \times 5$
d. $2^2 \times 3^4 \times 5$
- _____ 6. List the factors to find the GCF of 27 and 45.
a. 18
b. 135
c. 27
d. 9
- _____ 7. Alejandro and Jean are distributing erasers and pencils to the art class. There are 35 erasers and 42 pencils. Each student receives the same number of pencils and the same number of erasers, and no supplies are left over. What is the greatest number of students in the class?
a. 7 students
b. 77 students
c. 14 students
d. 210 students

Identify the fraction that is equivalent to the given fraction.

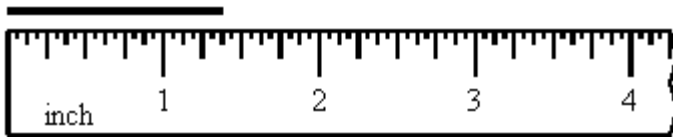
- _____ 8. $\frac{2}{7}$
a. $\frac{6}{21}$
b. $\frac{6}{14}$
c. $\frac{4}{21}$
d. $\frac{8}{21}$

Write the fraction in simplest form.

- ___ 9. $\frac{10}{32}$
- a. $\frac{5}{16}$ b. $\frac{4}{15}$ c. $\frac{5}{17}$ d. $\frac{3}{8}$
- ___ 10. By the age of 27, Justin had visited 20 out of the 50 states. What fraction of the states had Justin visited? Write the answer in simplest form.
- a. $\frac{2}{5}$ b. $\frac{2}{6}$ c. $\frac{5}{2}$ d. $\frac{20}{50}$

Write the improper fraction as a mixed number in simplest form.

- ___ 11. $\frac{73}{8}$
- a. $6\frac{1}{7}$ b. $8\frac{1}{7}$ c. $2\frac{1}{8}$ d. $9\frac{1}{8}$
- ___ 12. $\frac{41}{3}$
- a. $14\frac{2}{3}$ b. $13\frac{2}{3}$ c. 13 d. $12\frac{2}{3}$
- ___ 13. Find the length of the segment. Write the mixed number in simplest form.



- a. $1\frac{1}{8}$ in. b. $1\frac{7}{16}$ in. c. $1\frac{1}{2}$ in. d. $1\frac{3}{8}$ in.
- ___ 14. Suppose you buy 3 pizzas for a party. Each pizza is cut into 8 slices. Twenty slices are eaten. How many whole pizzas are eaten? Write your answer as a mixed number.
- a. $2\frac{1}{4}$ pizzas b. 3 pizzas c. $2\frac{1}{2}$ pizzas d. none of these

Compare the pair of numbers. Use <, =, or >.

- ___ 15. $4\frac{7}{15} \square 4\frac{1}{5}$
- a. $4\frac{7}{15} > 4\frac{1}{5}$ b. $4\frac{7}{15} = 4\frac{1}{5}$ c. $4\frac{7}{15} < 4\frac{1}{5}$
- ___ 16. $\frac{7}{9} \square \frac{35}{45}$
- a. $\frac{7}{9} < \frac{35}{45}$ b. $\frac{7}{9} > \frac{35}{45}$ c. $\frac{7}{9} = \frac{35}{45}$

