LOCAL DISTRICT SOUTH

uccessful Students,
upporting Schools &
trengthening Communities

Local District South
Elementary Mathematics

Grade 5

10 Days of Math
Take Home Packet

Name:

Estimado Padre o Guardián,

El Distrito Local del Sur está dedicado en poder apoyar a sus hijos y familias. Este recurso esta diseñado para proveer una lección diaria de matemáticas para alumnos de Quinto grado.

Hay 10 actividades de matemáticas para completar en 10 días. Cada día tiene dos secciones:

- Un repaso de destrezas básicas
- Resolver problemas

Páginas extras están incluidas al final de este paquete.

También recomendamos los siguientes sitios del internet para apoyar las destrezas:

- **ABCYA**
  https://www.abcya.com/grades/5/numbers

- **Math-Play**
  http://www.math-play.com/5th-grade-math-games.html

- **Math Playground – games, math videos, etc.**
  https://www.mathplayground.com/grade_5_games.html

- **Splash Learn**
  https://www.splashlearn.com/math-skills/fifth-grade

- **Disfruta las Matematicas**
  https://www.disfrutalasmatematicas.com

- **Happy Numbers**
- https://www.happynumbers.com

Gracias por su apoyo continuo en el aprendizaje de sus hijos!

Dear Parent or Guardian,

Local District South is committed to supporting our students and their families. This resource is designed to provide daily math practice and review for your 5th grade student.

There are a total 10 days of math activities. Each day has two different sections:

- Daily review of basic math skills
- Problem Solving

Extra practice pages are also included at the end of the packet.

We also recommend the following online resources:

- **ABCYA**
  https://www.abcya.com/grades/5/numbers
- **Math-Play**
  http://www.math-play.com/5th-grade-math-games.html
- **Math Playground – games, math videos, etc.**
  https://www.mathplayground.com/grade_5_games.html
- **Splash Learn**
  https://www.splashlearn.com/math-skills/fifth-grade

Thank you for your continued partnership!

GR. 5 MATH TAKE HOME PACKET

DAY 1

1. At Maria's school, 6 classes are going on a field trip. Each class has 26 students and 1 teacher. Each bus holds a maximum of 48 people. The school requests 3 buses for the field trip.

Carefully read Maria's argument:

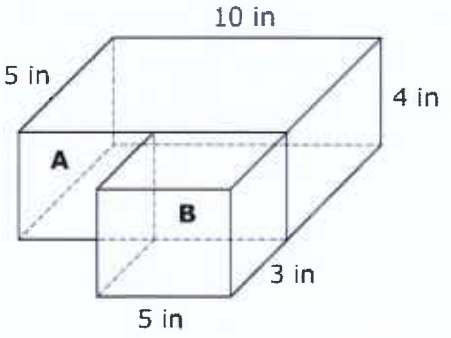
A. Maria says that the 3 buses are not enough.
B. She argues that 3 buses will hold a maximum of 144 people.
C. The classes need space for 156 people.
D. The school needs to order 1 more bus.

Select the statement in Maria's argument that has incorrect reasoning or incorrect calculations.

Write the numbers in the boxes to create the number that will correct the statement you choose.

2. Megan arranges Box A and Box B on her study table.

- The dimensions of Box A are 10 by 5 by 4 inches.
- The dimensions of Box B are 5 by 3 by 4 inches.



What is the combined volume, in cubic inches, of both boxes? Enter the answer in the response box.

cm^3

GR. 5 MATH TAKE HOME PACKET

DAY 1 CONTINUED

3. Mary, Sally, and Erin competed in a three-part race. A "finish time" for each person is the total amount of time to finish all three events.

- Mary's swim time was 0.10 hour faster than Erin's run time.
- Sally's finish time was 0.12 hour faster than Mary's finish time.
- Erin finished the race in 2.72 hours.

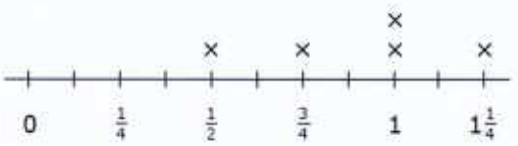
Event	Mary's Times (hr)	Sally's Times (hr)	Erin's Times (hr)
Swim	□.□□	0.73	0.54
Bike	1.67	□.□□	1.28
Run	1.38	1.36	□.□□

Write numbers in the boxes to complete the missing times for each girl.

GR. 5 MATH TAKE HOME PACKET

DAY 2

1. Gabi measures the amount of water, in liters, in 5 identical jars.



Water in Each Jar (L)

Gabi combines all of the water and then divides it equally into the 5 jars. How much water, in liters, does she put in each jar?

2. Determine if each comparison is true or false. Select True or False for each comparison.

	True	False
$4.3 = 4.300$		
$48.2 > 4.829$		
$56.78 < 56.760$		

3. Scott is buying water bottles and apples for his soccer team. The cost of buying packs of water bottles and bags of apples is shown in the table.

Item	Cost
One pack of 6 water bottles	$4.80
One bag of 5 apples	$3.20

What is the **least** amount of money that he can spend on whole packs of water bottles and bags of apples so that all 18 players on his team can have both a bottle of water and an apple?

GR. 5 MATH TAKE HOME PACKET

DAY 2 CONTINUED

3 x 9 =	15 lb = _____ oz	1 kg = 1,000 g 24 kg = _____ g

Write a letter that has a line of symmetry. _____	Circle the digit in the hundredths place. 8,656.175

Write 814,496 in words.

_____

(3 + 4) + 6 =	Which is the smallest? 64.8 ÷ 3.2 64.8 ÷ 3.3 64.8 ÷ 3.4
40 ÷ 10 =	

What time is 14 hours after 5:00 p.m.? _____	How many grams are in 8 kilograms? _____ grams

GR. 5 MATH TAKE HOME PACKET

DAY 3

1. Carl feeds his dog $2\frac{1}{2}$ cups of dog food every day. Each bag contains 64 cups of dog food. What is the maximum number of days that Carl can feed his dog exactly $2\frac{1}{2}$ cups of dog food from one full bag?

2. Roland's family drove $4\frac{6}{10}$ kilometers from their home to the gas station. They drove $2\frac{30}{100}$ kilometers from the gas station to the store.

   Which expression can be used to determine the number of kilometers Roland's family drove altogether?

   a. $6 + \frac{180}{1000}$

   b. $4 + 2 + \frac{36}{110}$

   c. $6 + \frac{6}{100} + \frac{30}{100}$

   d. $4 + 2 + \frac{60}{100} + \frac{30}{100}$

3. Round 45.643 to the nearest hundredth. Enter your answer in the response box.

GR. 5 MATH TAKE HOME PACKET

DAY 3 CONTINUED

Can 729 be evenly divided by 7? Circle:

729 is divisible by 7

729 is NOT divisible by 7

$$\begin{array}{r} 34 \\ -\ 21 \\ \hline \end{array}$$

12 x 10 =

10 x 8 =

90 ÷ 10 =

Circle the smallest number:

5,211,528,706

6,078,934

340,987,126

349,726,390,418

$$\begin{array}{r} 672 \\ -\ 371 \\ \hline \end{array}$$

$$\begin{array}{r} 415 \\ +\ 293 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ +\ 40 \\ \hline \end{array}$$

GR. 5 MATH TAKE HOME PACKET

DAY 4

1. A rectangle has a length of 32 and a width of 18. What is the area?

2. What is the sum of 2/3 and 3/4?

3. What is difference of 11/16 and 1/4 ?

4. 12.34 + 1.234

GR. 5 MATH TAKE HOME PACKET

DAY 4 CONTINUED

1. Adam is making muffins and cookies. He uses $3\frac{1}{2}$ cups of flour to make muffins and $2\frac{1}{4}$ cups of flour to make cookies.

   - In the first box, enter an equation that can be used to find the total number of cups ses. [ ]
   - In the second box, enter the total number of cups of flour that Adam uses. [ ]

2. Which expression correctly shows the sum of the product of 9 and 5 and the difference of 24 and 6?

   a. $9 + (5 \times 24) - 6$
   b. $(9 \times 5) + (24 - 6)$
   c. $(9 \times 5) - (24 + 6)$
   d. $9 - (5 \times 24) + 6$

3. A school spends $2.40 on every lunch it serves in the cafeteria and $0.30 for each carton of milk.

   - 250 people at the school get a lunch each day
   - 120 take a carton of milk
   - Which expression represents the amount of money the school spends altogether on lunches and milk each day?
     a. $250 \times 2.40 + 120 \times 0.30$
     b. $250 \times 0.30 + 120 \times 2.40$
     c. $250 \times (2.40 + 0.30)$
     d. $120 \times (2.40 + 0.30)$

GR. 5 MATH TAKE HOME PACKET

DAY 5

Write the following numbers in expanded form;

1. 23.45

2. 32.175

3. Find the quotient. 805 ÷ 7

4. Find the product. 6.25 x 4.8

GR. 5 MATH TAKE HOME PACKET

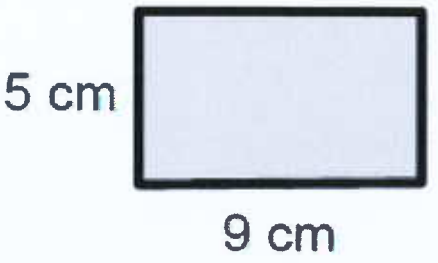
DAY 5 CONTINUED

1. Enter the numerator that makes the equation true.

$$1\frac{3}{4} + 1\frac{1}{3} = 1 + 1 + \frac{\quad}{12} + \frac{4}{12}$$

2. Carrie saw the figure below and said that its area is

5 x 9 = 45 square centimeters.



Which statement best supports Carrie's claim?

a) It is true if the opposite sides have the same length.

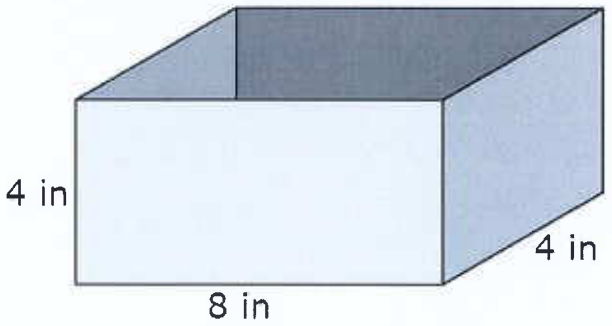
b) It is true if the figure is a rectangle.

c) It is false if the opposite sides have the same length.

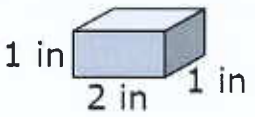
d) It is false if the figure is a rectangle.

3. Tonya must completely fill a shipping box with as many packages as possible. Each package measures 1 inch by 2 inches by 1 inch. The shipping box she must use measures 4 inches by 8 inches by 4 inches. What is the **greatest** number of packages that can fit into the shipping box?

Shipping Box



Package



GR. 5 MATH TAKE HOME PACKET

DAY 6

1.

Feet	Inches
1	12
4	
8	
10	
14	
20	
24	
39	

2.

Pounds	Ounces
1	16
2	
10	
5	
100	
50	
1000	
500	

3. Find the sum. $7\frac{5}{8} + 2\frac{3}{8}$

4. Find the quotient. $1675 \div 25$

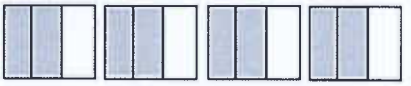
GR. 5 MATH TAKE HOME PACKET

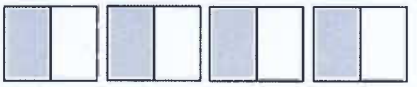
DAY 6 CONTINUED

1. Which fraction model best represents $4 \times \frac{2}{3}$?

A. 

B. 

C. 

D. 

2. Mia is traveling along a road toward Clarksburg and sees the following sign.

A gas station is located halfway between Weston and Clarksburg as shown on this diagram.

How many miles is it from Weston to Clarksburg?

How many miles is it from the sign to the gas station?

3. Brian is adding $\frac{2}{3} + \frac{7}{5} = \frac{2+7}{3+5} = \frac{9}{8}$

Brian's approach is **not** correct. Select **all** of the statements that could indicate mistakes with Brian's approach.

a. He added the denominators.

b. He didn't write $\frac{7}{5}$ as a mixed number.

c. He didn't write his answer as a mixed number.

d. He added the numerators when the denominators were different.

GR. 5 MATH TAKE HOME PACKET

DAY 7

1. Fill in the tables

Yards	Feet
1	3
2	
4	
	24
	48
20	
	120
	126

Cups	Ounces
1	8
2	
10	
	20
15	
	136
40	
	328

2. Round each number to the underlined digit

3. 4,<u>5</u>67

4. 34.<u>9</u>3

5. <u>2</u>,456, 998

6. 234.0<u>9</u>4

GR. 5 MATH TAKE HOME PACKET

DAY 7 CONTINUED

1. Which equation has the same unknown value as

$$33.74 - 18.9 = \square ?$$

a. $18.9 + \square = 33.74$

b. $33.74 + \square = 18.9$

c. $\square - 33.74 = 18.9$

d. $\square - 18.9 = 33.74$

2. Which set of steps shows a correct strategy and solution for subtracting $1\frac{3}{4} - \frac{1}{3}$?

A. $\frac{3}{4 \times 3} - \frac{1}{3 \times 4}$

$= \frac{3}{12} - \frac{1}{12}$

$= \frac{2}{12} = \frac{1}{6}$

B. $\frac{7}{4 \times 3} - \frac{1}{3 \times 4}$

$= \frac{7}{12} - \frac{1}{12}$

$= \frac{6}{12} = \frac{1}{2}$

C. $\frac{7 \times 3}{4 \times 3} - \frac{1 \times 4}{3 \times 4}$

$= \frac{21}{12} - \frac{4}{12}$

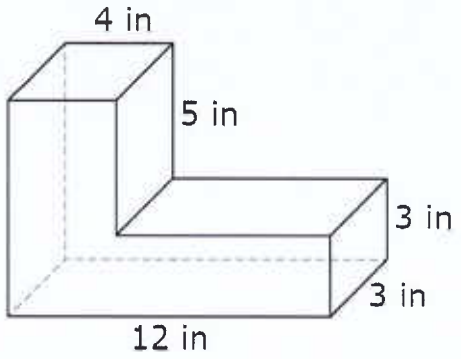
$= \frac{17}{12} = 1\frac{5}{12}$

D. $\frac{7 \times 3}{4 \times 3} - \frac{1 \times 3}{3 \times 4}$

$= \frac{21}{12} - \frac{3}{12}$

$= \frac{18}{12} = 1\frac{6}{12} = 1\frac{1}{2}$

3. The figure shown was created by joining two rectangular prisms. What is the total volume, in cubic inches, of the figure? Enter your answer in the response box.

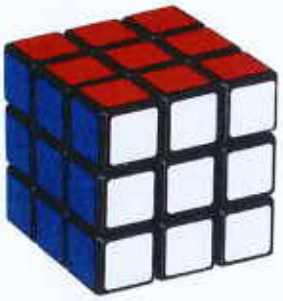


$\square$ in^3

GR. 5 MATH TAKE HOME PACKET

DAY 8

1. What is the volume of the rubics cube?



2. A rectangle has an area of 436 square inches. The length is 18. What is the width?

3. Find the product 16 x $\frac{3}{4}$

4. Enter the unknown number

485 = 80 + ____ + 5

10,000 = $\boxed{10}$

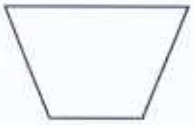
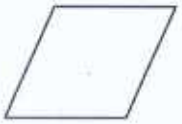
2.75 = (2x1) + (7 x ___) + (___ x $\frac{1}{100}$)

368 = _____ tens + 8 ones

GR. 5 MATH TAKE HOME PACKET

DAY 8 CONTINUED

1. Determine which category each polygon belongs to. Select **all** boxes that apply. Shapes may belong to more than one category. If the polygon is **not** a square, parallelogram, or quadrilateral, select None of These.

	Square	Parallelogram	Quadrilateral	None of These
 Trapezoid	☐	☐	☐	☐
 Hexagon	☐	☐	☐	☐
 Rhombus	☐	☐	☐	☐

1. Jenny says, "to round a decimal d between 3.2 and 3.3 to the nearest tenth, you just see which tenth it is closest to on the number line. For example, 3.28 is closer to 3.3 than 3.2, so it rounds to 3.3." In which cases will Jenny's method work? (Select **all** that apply.)

a) Case 1: $3.25 < d \leq 3.3$

b) Case 2: $d = 3.25$

c) Case 3: $3.2 \leq d < 3.25$

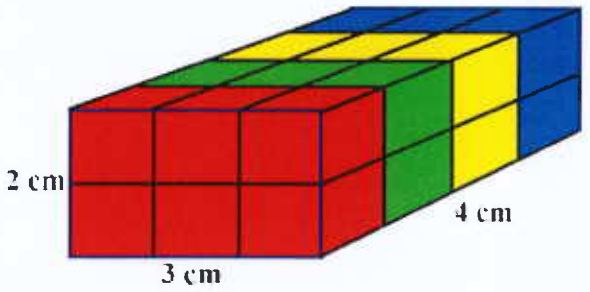
d) Jenny's method doesn't usually work—it just worked for this example.

2. There are 60 seconds in a minute. There are 60 minutes in 1 hour. There are 24 hours in 1 day. There are 7 days in 1 week. There are 52 weeks in 1 year. How many minutes are in 1 day?

GR. 5 MATH TAKE HOME PACKET

DAY 9

1. What is the volume?



2. Write an expression for the following:

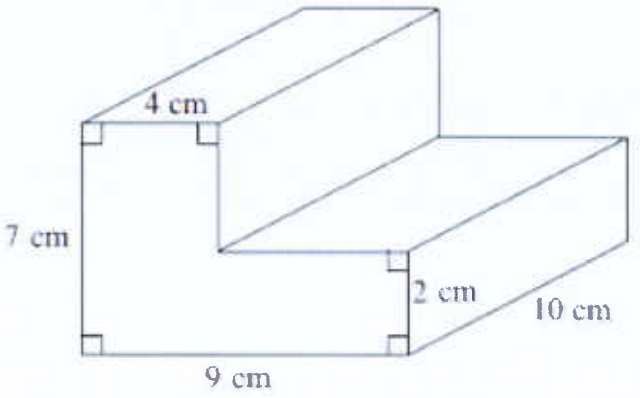
   The product of 12 and 5 plus 9

   The sum of 8 and 4 multiplied by 3

   The difference of 12 and 6 multiplied by 2

   The quotient of 16 and 4 minus 3

3. What is the volume, in cubic centimeters, of this shape?



DAY 9 CONTINUED

1. Which equation has the same unknown value as $405 \div 15 = \square$?

   a. $405 \times \square = 15$

   b. $\square \div 405 = 15$

   c. $15 \times \square = 405$

   d. $\square \div 15 = 405$

2. What is the product?

   2684 x 24

3. Determine whether each expression is equivalent to 638.4. Select Yes or No for each expression.

	Yes	No
63 tens + 8 ones + 4 tenths		
63 hundreds + 8 ones + 4 tenths		
6 hundreds + 3 tens + 84 tenths		
6 hundreds + 38 ones + 4 tenths		

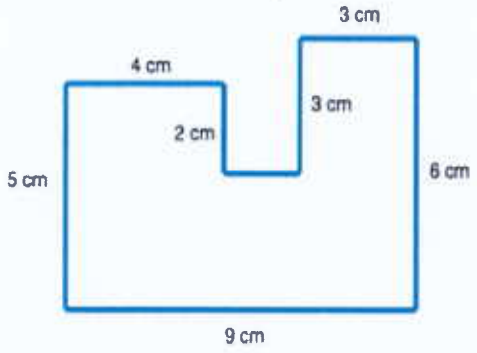
DAY 10

GR. 5 MATH TAKE HOME PACKET

1.

	True	False
$12.4 > 8.925$		
$12 = 12.00$		
$13.25 = 13\frac{1}{4}$		
$2.034 < 3.1$		

2. What is the area, in square centimeters, of the shape?



Find the product. 16.5 x 24

Find the quotient. $2.4 \div 0.4$

Find the difference. 12.34 – 9.18

GR. 5 MATH TAKE HOME PACKET

DAY 10 CONTINUED

1. Sara has $1\frac{3}{4}$ feet of cloth. She used $\frac{1}{3}$ foot to make a bow. Which expression could be used to correctly determine the amount of cloth, in feet, that remains?

   a. $1 - \frac{3}{12} - \frac{1}{12}$

   b. $1 - \frac{9}{12} - \frac{4}{12}$

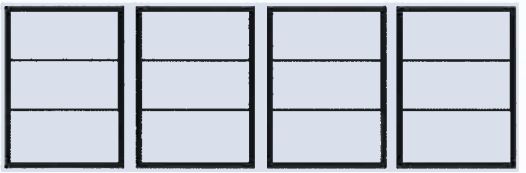
   c. $1 + \frac{3}{12} - \frac{1}{12}$

   d. $1 + \frac{9}{12} - \frac{4}{12}$

2. Lisa is painting her kitchen and bathroom.

   - She uses 4 gallons of paint in the kitchen.
   - She uses $\frac{2}{3}$ of that amount in the bathroom.
   - The shaded portions in this model represent the amount of paint she uses in the bathroom.

What is the amount of paint, in gallons, Lisa uses to paint the bathroom.



gallons

3. Ryan has $\frac{1}{2}$ pound of chocolate. He divides it into 4 equal portions. What is the amount of chocolate, in pounds, in each portion?

GR. 5 MATH TAKE HOME PACKET

EXTRA PRACTICE

	True	False
1.2 x 1.2 = 14.4		
2.75 = 4-1.25		
1,000 = 10^4		
10 x 10 x 10 = **10 x3**		

16.25 ÷ 1.5 =

324 x 28=

32.45+2.381

23.18 – 10.75

GR. 5 MATH TAKE HOME PACKET

EXTRA PRACTICE

Find the sum.

1. $9.7 + 1.70 =$ _____
2. $0.41 + 8.3 =$ _____
3. $0.92 + 1.82 =$ _____
4. $0.97 + 19.1 =$ _____
5. $4.9 + 9.9 =$ _____
6. $1.10 + 13.1 =$ _____
7. $5.9 + 15.6 =$ _____
8. $13.8 + 1.67 =$ _____
9. $0.19 + 7.1 =$ _____
10. $1.76 + 9.1 =$ _____
11. $0.52 + 1.37 =$ _____
12. $1.86 + 0.34 =$ _____
13. $0.93 + 1.07 =$ _____
14. $1.08 + 0.42 =$ _____
15. $12.1 + 10.9 =$ _____
16. $0.33 + 1.74 =$ _____
17. $20.0 + 0.11 =$ _____
18. $0.77 + 14.6 =$ _____
19. $1.46 + 0.33 =$ _____
20. $0.38 + 11.3 =$ _____

GR. 5 MATH TAKE HOME PACKET

EXTRA PRACTICE

Find the sum.

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

2. $\frac{8}{12} + \frac{8}{11} =$ _____

3. $\frac{2}{7} + \frac{6}{10} =$ _____

4. $\frac{1}{6} + \frac{6}{11} =$ _____

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

6. $\frac{9}{12} + \frac{2}{12} =$ _____

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

8. $\frac{1}{4} + \frac{6}{8} =$ _____

9. $\frac{4}{10} + \frac{4}{5} =$ _____

10. $\frac{1}{2} + \frac{8}{11} =$ _____

11. $\frac{1}{11} + \frac{2}{12} =$ _____

12. $\frac{2}{12} + \frac{2}{4} =$ _____

13. $\frac{3}{5} + \frac{3}{8} =$ _____

14. $\frac{6}{9} + \frac{1}{2} =$ _____

GR. 5 MATH TAKE HOME PACKET

EXTRA PRACTICE

Convert to fractions.

1. 0.83 = _____

2. 0.4 = _____

3. 0.24 = _____

4. 0.96 = _____

5. 0.6 = _____

6. 0.2 = _____

7. 0.7 = _____

8. 0.19 = _____

9. 0.95 = _____

10. 0.1 = _____

11. 0.23 = _____

12. 0.68 = _____

13. 0.2 = _____

14. 0.97 = _____

15. 0.94 = _____

16. 0.5 = _____

GR. 5 MATH TAKE HOME PACKET

EXTRA PRACTICE

Example: 54,689 rounded to the nearest 1,000 is 55,000

Round to the accuracy of the underlined digit.

1. 4,7<u>9</u>0 = _____
2. <u>8</u>,210 = _____
3. <u>1</u>,233 = _____
4. 88,<u>7</u>18 = _____
5. <u>9</u>,236 = _____
6. 63,<u>5</u>00 = _____
7. <u>3</u>7,627 = _____
8. 7,<u>0</u>57 = _____
9. 5,<u>9</u>54 = _____
10. 4<u>2</u>,004 = _____
11. 5<u>6</u>,823 = _____
12. <u>6</u>4,197 = _____
13. 58,<u>1</u>73 = _____
14. <u>6</u>,141 = _____
15. 3,6<u>5</u>2 = _____
16. 23,<u>3</u>69 = _____
17. 72,<u>2</u>13 = _____
18. 1,<u>0</u>36 = _____
19. 5,<u>3</u>70 = _____
20. 12,<u>0</u>18 = _____
21. <u>6</u>8,720 = _____

GR. 5 MATH TAKE HOME PACKET

EXTRA PRACTICE

Find the product.

1. $9 \times 0.07 =$ _____
2. $6 \times 0.11 =$ _____
3. $7 \times 0.10 =$ _____
4. $6 \times 0.03 =$ _____
5. $5 \times 0.2 =$ _____
6. $9 \times 0.8 =$ _____
7. $3 \times 0.2 =$ _____
8. $3 \times 0.08 =$ _____
9. $4 \times 0.11 =$ _____
10. $7 \times 0.11 =$ _____
11. $1 \times 0.6 =$ _____
12. $2 \times 0.10 =$ _____
13. $9 \times 0.05 =$ _____
14. $6 \times 0.12 =$ _____
15. $3 \times 0.11 =$ _____
16. $8 \times 0.05 =$ _____

GR. 5 MATH TAKE HOME PACKET

EXTRA PRACTICE

Write the 5-digit numbers

1. _____ 500 + 60 + 3 + 0.1

2. _____ 8,000 + 800 + 60 + 6 + 0.7

3. _____ 20 + 6 + 0.3 + 0.004

4. _____ 4,000 + 3 + 0.3

5. _____ 5,000 + 600 + 90 + 4 + 0.1

6. _____ 200 + 70 + 1 + 0.2 + 0.04

7. _____ 60 + 0.1 + 0.01 + 0.002

8. _____ 2,000 + 700 + 70 + 4 + 0.9

9. _____ 700 + 40 + 1 + 0.5 + 0.02

10. _____ 200 + 80 + 9 + 0.1 + 0.03

GR. 5 MATH TAKE HOME PACKET

EXTRA PRACTICE

Find the value of the following exponents.

1. 10^5

2. 10^8

3. 10^6

4. 10^1

5. 10^2

6. 10^4

7. 10^7

8. 10^3