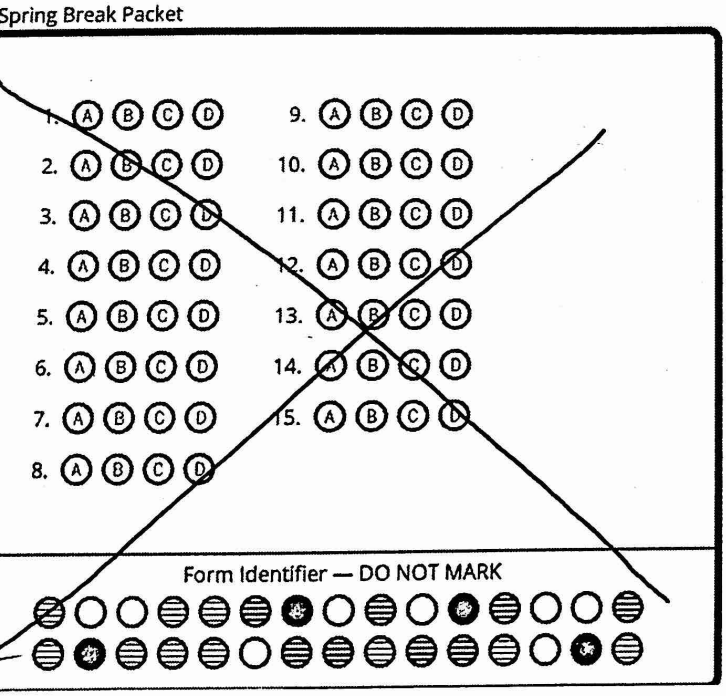
...spring break packet will help you keep your skills sharp...
rongest mathematicians in Vance County!

is homework is due: Tuesday, April 23nd (when we come back from break). You must complete all the oblems, but you may work at your own speed.

_____ out of 15 = _____%

Spring Break Packet



Topics:

- Place Value and Number Sense
- Addition and Subtraction
- Multiplication
- Division

Performance Level Ratings:

4 - Student consistently exceeds the expected understanding of the content area/ skill.

3 - Student consistently demonstrates the expected understanding of the content area/ skill. Student functions with minimal teacher assistance and support.

2 - Student demonstrates partial understanding of the content area/skill. Student requires frequent teacher assistance and support.

1 - Student demonstrates limited understanding of the content area/skill. Student requires intensive teacher assistance, direction and support.

luces Meticulous Work

_____%

your packet, make sure you:

- ☐ **Carefully read all directions.**
- ☐ **Mark up every question. (Underline key words)**
- ☐ **Show your work for every question.**
- ☐ **Prove answers right or wrong. Use neat handwriting.**

✓ + + (100%) Student consistently uses strategies on every problem and work is organized and meticulous

✓ + (90%) Student consistently uses strategies on every problem and work is meticulous

✓ □(80%) Student uses strategies on every problems and work is average

✓ – (70%) Student uses strategies on most problems, but work is below average.

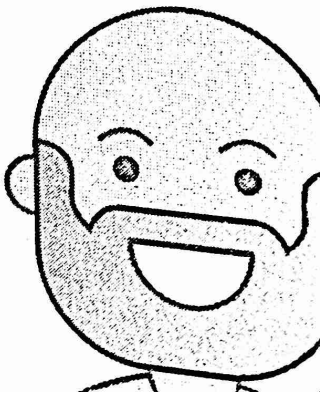
✓ – – (60%) Student uses strategies inconsistently.

Parent Signature (sign after grade is received): _____

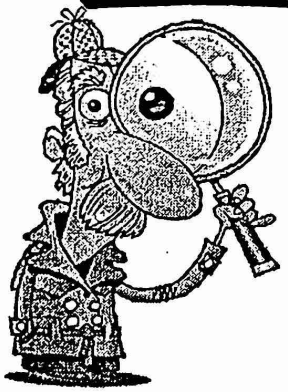
prodigy

1-12 Multiplication Chart

	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144



5th Grade



Get a Clue... Word Problems

Share

Addition	Subtraction	Multiplication	Division Spli
in all	fewer	product	quotient
sum	left	times	half evenly
total	less than	twice	dividend
more than	take away	each (Repeated Addition)	divided
plus	minus	factor	shared
altogether	difference	altogether	equally
increased by	remain	in all	same
add	decreased	multiply	grouped
Same Label	how many Much more	total	separated

Hundred Billions	Ten Billions	Billions	Hundred Millions	Ten Millions	Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths	Ten Thousandths	Hundred Thousandths
2	1	0 ,	9	8	7 ,	6	5	4 ,	3	2	1 .	2	3	4	5	6

This Chart shows the place value of the number 210,987,654,321.23456

This is how you say it.

Two hundred ten billion, nine hundred eighty seven million, six hundred fifty four thousand, three hundred twenty one, and twenty three thousand four hundred fifty six hundred thousandths.

Place Value

Millions				Thousands					Decimals		
Hundred Millions	Ten Million	Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths
9	7	5	, 4	2	1	, 0	9	5	. 3	5	8

Formulas

Area	
Square	$A=s^2$; $A=bh$; $A=\ell w$
Rectangle	$A=bh$; $A=\ell w$
Parallelogram	$A=bh$
Triangle	$A=\frac{bh}{2}$
Trapezoid	$A=\frac{h(b_1+b_2)}{2}$
Surface Area	
Rectangular Prism	$SA=2\ell w+2wh+2\ell h$
Cube	$SA=6s^2$
Volume	
Rectangular Prism	$V=\ell wh$; $V=Bh$
Cube	$V=s^3$

Key

A= Area

b=base

$b_1 = base\ one$

$b_2 = base\ two$

B=Area of the base

h=height

ℓ=length

s=side

SA=surface area

V=volume

w=width

Conversions

Length	
Customary	Metric
1 mile (mi) = 1,760 yards (yd) 1 yard = 3 feet (ft) 1 foot (ft) = 12 inches (in)	1 kilometer (km) = 1,000 meters (m) 1 meter = 100 centimeters (cm) 1 cm = 10 millimeters (mm)
Volume and Capacity	
Customary	Metric
1 gallon (gal) = 4 quarts (qt) 1 qt = 2 pints (pt) 1 pt = 2 cups (c) 1 c = 8 fluid ounces (fl oz)	1 liter (L) = 1,000 milliliters (mL)
Weight and Mass	
Customary	Metric
1 ton (T) = 2,000 pounds (lb) 1 lb = 16 oz	1 kilogram (kg) = 1,000 grams (g) 1 g = 1, 000 milligrams (mg)
Time	
1 year = 12 months 1 year = 52 weeks 1 week = 7 days	1 day = 24 hours 1 hour = 60 minutes 1 minute = 60 seconds

Mixed Review: Skill Practice

Start

① 489×67

② 95×63

③ $4873 + 295$

④ $849 + 975$

⑤ $632 - 471$

⑥ $444 - 355$

⑦ $5\overline{)125}$ D D D / M M M / S S S / B B B

⑧ $8\overline{)432}$ D D D / M M M / S S S / B B B

⑩

5	$\frac{1}{2}$
+ 3	$\frac{3}{4}$

⑪

8	$\frac{2}{3}$
− 3	$\frac{1}{4}$

⑫

11	$\frac{3}{8}$
− 5	$\frac{14}{16}$

⑬ Convert to improper fractions

$5\frac{1}{3} \rightarrow$ ____ $11\frac{2}{3} \rightarrow$ ____ $7\frac{2}{5} \rightarrow$ ____

$6\frac{2}{5} \rightarrow$ ____ $8\frac{1}{2} \rightarrow$ ____ $5\frac{1}{2} \rightarrow$

1) A box of granola bars contained 12 individual granola bars. Hector and his friend ate 4 of the granola bars after school. What fraction of the box of granola bars did they eat?

→ Total

a) $\frac{1}{4}$

b) $\frac{1}{3}$

c) $\frac{1}{2}$

d) $\frac{2}{3}$

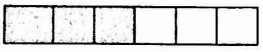
$\frac{4 \div}{12 \div}$

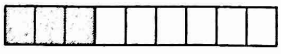
Find the GCF

4: 4x1, 2x2

12:

2) Which picture shows $\frac{1}{3}$ shaded?

a. 

b. 

c. 

d. 

* Label every picture
* Simplify Fraction

3) Which of the following correctly compares of 13.4 and 31.5?

a. >

b. <

c. =

1	3	.	4	
3	1	.	5	

Which one is Bigger?
Which is Smaller?

4) How should the population of Orange County be read?

North Carolina Counties

County	Population
Hyde	5,900
Mitchell	14,300
Northampton	22,800
Orange	80,900

a) eighty thousand nine hundred

b) eight thousand nine hundred

c) eight hundred nine thousand

d) eight hundred thousand ninety

5) In a long jump competition, Aniyah jumped 13.54 feet, Najiyah jumped 13.51 feet, Saniya jumped 13.45 feet, and Darius jumped 13.5 feet. Which competitor jumped the greatest distance?

* which # is the biggest?

a) Aniyah

b) Najiyah

c) Saniya

d) Darius

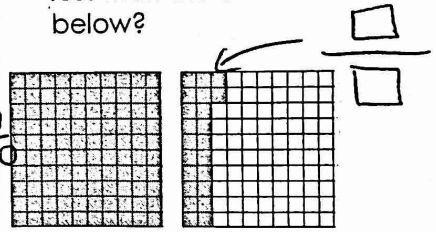
Note: MUST USE SPORT!

6) Kamari bought 5 boxes of Hershey bars and his friend Jhosmar bought 9 boxes of Starburst. Each box of Hershey bars has 16 bars and each box of Starburst has 5 Starburst. What is the total number of Hershey Bars and Starburst they bought together?

a. 224
b. 35
c. 125
d. 70

Step 1 | Step 2 | Step 3

7) Which of the following amounts is ***less than*** the amount shown below?

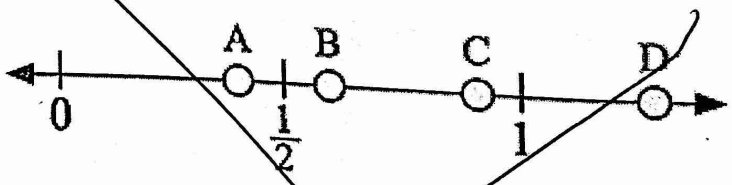


100/100

1 whole

a) 1.20
b) 1.3
c) 1.22
d) 1.50

8) Label the number line with your benchmark decimals. Determine which letter corresponds with the decimal given.



Which letter best represents 0.6?

a) A
b) B
c) C
d) D

9) Teresa and Mariah wanted to see who could bake the most cookies. Ami baked $16\frac{3}{6}$ cookies and zaniya baked $12\frac{5}{6}$ cookies. How many more cookies did Teresa bake than zaniya? ☐

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

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

c. $29\frac{1}{3}$

d. $29\frac{2}{3}$

$16\frac{3}{6}$

☐ $12\frac{5}{6}$

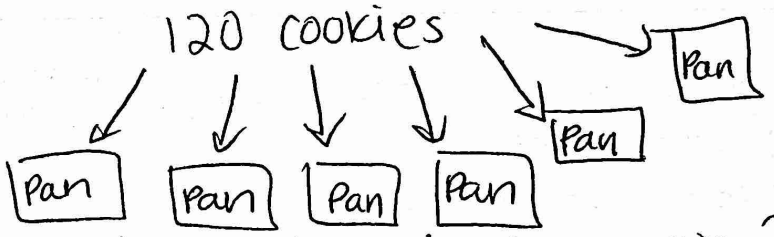
10) Le'Kayla baked 120 cookies for the Pride to share. If she used 6 pans to bake the cookies, what equation could be used to find c, the number of cookies on each pan? ☐

a. $120 \times c = 6$

b. $6 \div c = 120$

c. $6 \times c = 120$

d. $6 + c = 120$



11) A car weighs about 2,142 pounds. Which of the following amounts is equal to the amount a car weighs?

a) 2 thousands, 14 hundreds, and 2 ones

b) 2 thousands, 14 tens, and 12 ones

c) 1 thousand, 11 hundreds, 42 ones

d) 1 thousand, 11 hundreds, 42 tens

12) Ms. Cheek has 270 pieces of fruit at her fruit stand. She sells pears and apples by the basket. If there are 2 baskets of pears, and 4 baskets of apples, and an equal number of pieces of fruit in each basket, how many pieces of fruit are in each basket?

a. 40 pieces
b. 45 pieces
c. 50 pieces
d. 277 pieces

13) How is 40.08 written in word form?

a) Four and eight tenths
b) Four and eight hundredths
c) Forty and eight tenths
d) Forty and eight hundredths

Solve every answer

14) Which of the following shows another way to write the number 8?

a. $\frac{3}{8}$ of 24

b. $\frac{2}{4}$ of 16

c. $\frac{2}{5}$ of 25

d. $\frac{3}{4}$ of 8

Whole ÷ denominator
Answer ~~Denominator~~ × Numerator

A. $\frac{3}{8}$ of 24
$24 \div 8 = 3$
$3 \times 3 = 9$

B

C.

D.

15) Mr. Cirino ate $\frac{5}{8}$ of a pizza. Mr. Marshall ate less of the pizza than Mr.Cirino . Which of the following could be an amount of pizza Mr. Marshall ate?

To compare you must make denominators the same!

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

b. $\frac{10}{12} \rightarrow \frac{5}{6}$

c. $\frac{3}{6} \rightarrow \frac{1}{2}$

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

Above and beyond: Visit some of the websites below to practice your math skills!

Fractions: http://www.sheppardsoftware.com/math.htm

Mixed Operation Practice: http://www.coolmath4kids.com/ http://www.kidsnumbers.com/

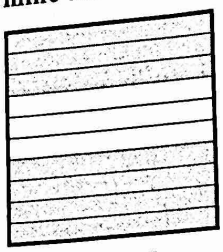
There is also an Above and beyond sheet attached ☺

Name:

Fraction, Decimal & Percent (Visual)

Determine the value written as a fraction , decimal & a percent.

Ex)

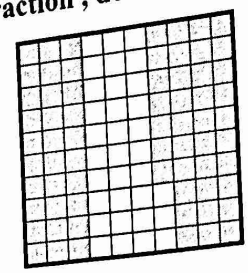


Fraction $\frac{7}{10}$

Decimal 0.7

~~Percent~~ 70%

1)

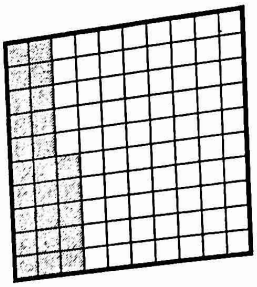


Fraction _____

Decimal _____

~~Percent~~

2)

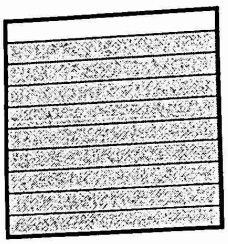


Fraction _____

Decimal _____

~~Percent~~

3)

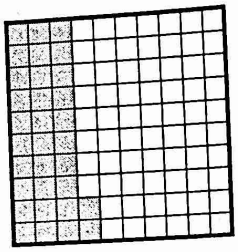


Fraction _____

Decimal _____

~~Percent~~

4)

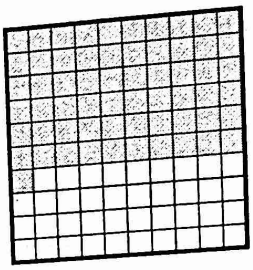


Fraction _____

Decimal _____

~~Percent~~

5)

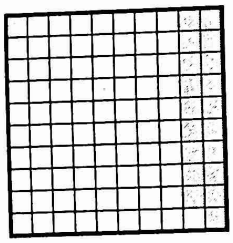


Fraction _____

Decimal _____

~~Percent~~

6)

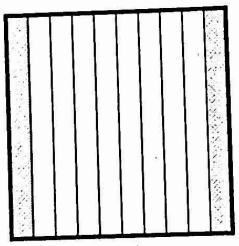


Fraction _____

Decimal _____

~~Percent~~

7)

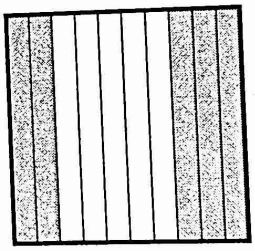


Fraction _____

Decimal _____

~~Percent~~

8)

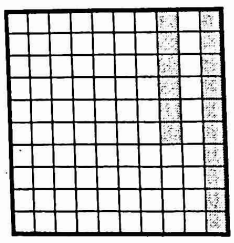


Fraction _____

Decimal _____

~~Percent~~

9)

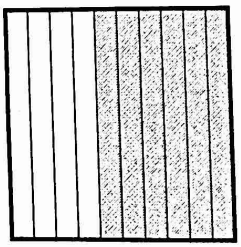


Fraction _____

Decimal _____

~~Percent~~

10)

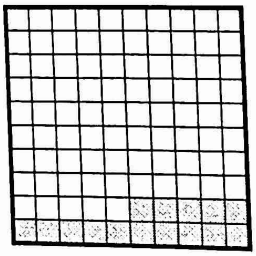


Fraction _____

Decimal _____

~~Percent~~

11)



Fraction _____

Decimal _____

~~Percent~~

Answers

Ex. $\frac{7}{10}$ 0.7 ~~70%~~

1. _____ _____ _____
2. _____ _____ _____
3. _____ _____ _____
4. _____ _____ _____
5. _____ _____ _____
6. _____ _____ _____
7. _____ _____ _____
8. _____ _____ _____
9. _____ _____ _____
10. _____ _____ _____
11. _____ _____ _____

have + beyond

1-10	91	82	73	64	55	45	36	27	18
11	0								

Rounding Decimals

Name: _____

Round each number to the correct place value.

1) Round to the nearest whole number. 17.462 _____

2) Round to the nearest tenth. 39.32 _____

3) Round to the nearest whole number. 981.992 _____

4) Round to the nearest hundredth. 487.362 _____

5) Round to the nearest hundredth. 22.700 _____

6) Round to the nearest whole number. 9.75 _____

7) Round to the nearest tenth. 56.79 _____

8) Round to the nearest whole number. 72.5 _____

9) Round to the nearest tenth. 6.88 _____

10) Round to the nearest whole number. 3.6 _____

11) Round to the nearest whole number. 986.91 _____

12) Round to the nearest hundredth. 159.410 _____

13) Round to the nearest hundredth. 2.190 _____

14) Round to the nearest hundredth. 58.139 _____

15) Round to the nearest hundredth. 2.153 _____

16) Round to the nearest hundredth. 10.886 _____

17) Round to the nearest whole number. 4.5 _____

18) Round to the nearest tenth. 11.430 _____

19) Round to the nearest tenth. 54.75 _____

20) Round to the nearest tenth. 467.723 _____

Above + Beyond

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Name:

Subtracting Fractions (with Regrouping)

Use regrouping to solve. Make sure your answer is not an improper fraction.

1) $2\frac{1}{3} - 1\frac{2}{3} =$

2) $3\frac{1}{4} - 1\frac{3}{4} =$

3) $6\frac{1}{8} - 4\frac{4}{8} =$

4) $2\frac{2}{7} - 1\frac{5}{7} =$

5) $10\frac{1}{3} - 1\frac{2}{3} =$

6) $7\frac{2}{5} - 2\frac{4}{5} =$

7) $4\frac{1}{10} - 1\frac{4}{10} =$

8) $5\frac{1}{7} - 2\frac{5}{7} =$

9) $9\frac{4}{9} - 3\frac{7}{9} =$

10) $8\frac{1}{3} - 6\frac{2}{3} =$

11) $8\frac{2}{4} - 5\frac{3}{4} =$

12) $2\frac{4}{8} - 1\frac{5}{8} =$

13) $5\frac{5}{7} - 1\frac{6}{7} =$

14) $8\frac{4}{10} - 3\frac{8}{10} =$

15) $6\frac{1}{3} - 2\frac{2}{3} =$

16) $9\frac{1}{7} - 7\frac{2}{7} =$

Above + Beyond!

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____

1-10	94	88	81	75	69	63	56	50	44	38
11-16	31	25	19	13	6	0				

Multiplication (Vertical)

Name:

Answers: Each problem.

6,396	20,608	68,098	12,045
3,960	7,905	19,836	27,133
59,363	6,885	79,722	22,050

1) 164 × 39

2) 459 × 15

3) 224 × 92

4) 862 × 79

5) 261 × 76

6) 667 × 89

7) 360 × 11

8) 631 × 43

9) 155 × 51

10) 165 × 73

11) 630 × 35

12) 927 × 86

Above + Beyond

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								