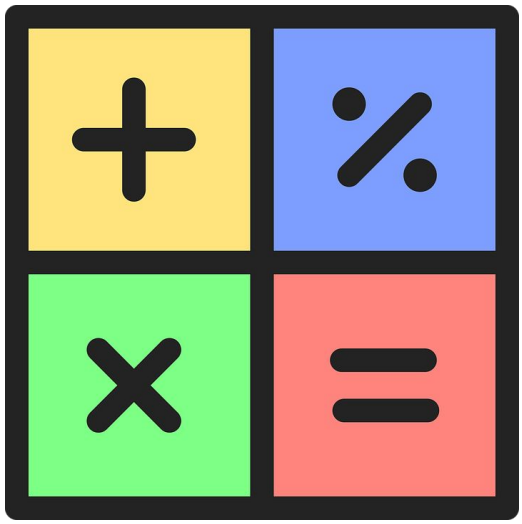
6th Grade Summer Math Packet



Name:_____

Due on the <u>first day</u> back to school.

This will count as the first test grade of Marking Period 1.

Dear Parents,

The attached packet provides a range of activities that review and expand on the math concepts your child has learned in school this past year. It is designed to be worked on for 15 to 30 minutes a day throughout the summer, rather than completed in just a few days at the beginning or end of summer. The goal is to keep skills sharp to be ready to move forward into the next school year. Students will be asked to hand in their completed work the first day of school.

Have a great summer!

Sincerely,

Mr. Lake

Estimados padres:

El paquete adjunto ofrece una variedad de actividades que repasan y amplían los conceptos matemáticos que su hijo/a ha aprendido en la escuela durante el último año. Está diseñado para practicarse de 15 a 30 minutos al día durante el verano, en lugar de completarse en tan solo unos días al principio o al final del verano. El objetivo es mantener las habilidades afinadas para estar listos para el siguiente año escolar. Se les pedirá a los estudiantes que entreguen sus trabajos terminados el primer día de clases.

¡Que tengan un excelente verano!

Atentamente**,**

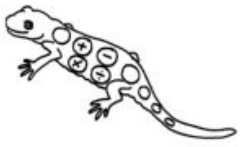
Sr. Lake

Name Date

MULTIPLICATION AS REPEATED ADDITION TO 10X10 SHEET 2

Change these repeated addition facts to multiplication facts and work them out.

1)	4+4+4+4+4	=	4 x 5	=	20	16)	8 x 3	=	8 + 8 + 8	=
2)	7+7+7	=		=		17)	7 x 3	=		=
3)	3+3+3+3+3	=		=		18)	4 x 4	=		=
4)	8+8+8	=		=		19)	5 x 5	=		=
5)	2+2+2+2+2+2	=		=		20)	8 x 2	=		=
6)	5+5+5+5+5	=		=		21)	7 x 4	=		=
7)	9+9	=		=		22)	6 x 3	=		=
8)	6+6+6	=		=		23)	9 x 4	=		=
9)	10+10+10+10	=		=		24)	7 x 2	=		=
10)	4+4+4+4+4+4	=		=		25)	4 x 5	=		=
11)	7+7+7+7	=		=		26)	6 x 4	=		=
12)	3+3+3+3	=		=		27)	7 x 5	=		=
13)	9+9+9+9	=		=		28)	6 x 5	=		=
14)	8+8+8+8+8	=		=		29)	4 x 6	=		=
15)	6+6+6+6+6+6	=		=		30)	9 x 5	=		=



Adding and Subtracting Decimals

1) $45.6 + 33.75$

2) $43 + 5.89$

3) $53.74 - 23.182$

4) $24 + 9.623$

5) $38 - 30.7$

6) $89 + 59.6$

7) $55 - 53.132$

8) $18 + 5.6$

9) $69.94 + 63.525$

10) $92 + 19.25$

11) $50.55 - 1.294$

12) $6 + 3.2$

13) $90 - 82.11$

14) $9 - 7.8$

15) $44.6 - 11.463$

Math

Name _____

Math Worksheets

Multiplication Worksheet

Practice your multiplication skills by multiplying the numbers in each group and write the answer below the line.

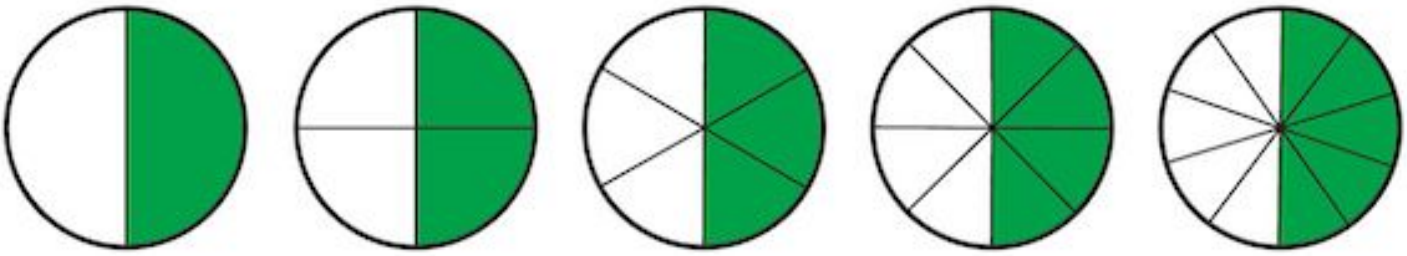
584 × 48	199 × 63	821 × 31	913 × 81
336 × 50	881 × 98	647 × 75	822 × 34
161 × 39	716 × 39	271 × 47	349 × 94
147 × 47	869 × 11	835 × 29	757 × 12

LEARNING LONG DIVISION

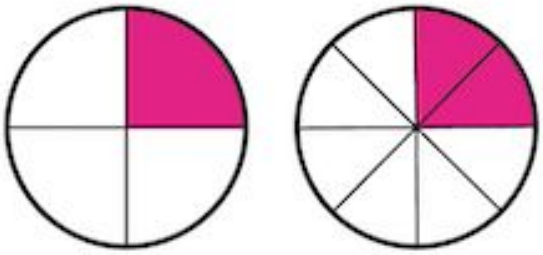
1. $6\overline{)7{,}526}$
2. $5\overline{)9{,}159}$
3. $8\overline{)5{,}824}$
4. $4\overline{)6{,}816}$
5. $7\overline{)8{,}414}$
6. $3\overline{)8{,}248}$
7. $9\overline{)9{,}459}$
8. $11\overline{)4{,}257}$
9. $21\overline{)3{,}780}$

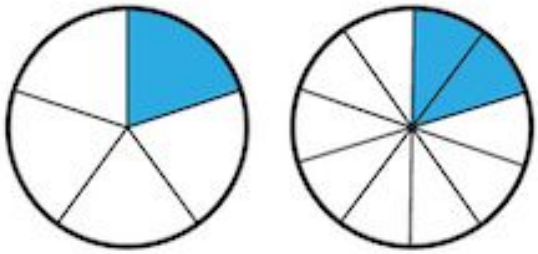
Equivalent Fractions - Look & Write

Can you complete the fractions?



$\frac{1}{2}$ = $\frac{2}{4}$ = $\frac{3}{\_\_\_}$ = $\frac{\_\_\_}{\_\_\_}$ = $\frac{\_\_\_}{\_\_\_}$





___ = ___ ___ = ___

___ = ___ = ___

___ = ___ = ___

Name : _____

Adding Simple Fractions

Can you add fractions with the same denominator?

$\frac{1}{5} + \frac{3}{5} = \_\_\_$

$\frac{4}{13} + \frac{7}{13} = \_\_\_$

$\frac{1}{4} + \frac{2}{4} = \_\_\_$

$\frac{2}{9} + \frac{3}{9} = \_\_\_$

$\frac{6}{14} + \frac{3}{14} = \_\_\_$

$\frac{3}{8} + \frac{3}{8} = \_\_\_$

$\frac{2}{7} + \frac{4}{7} = \_\_\_$

$\frac{5}{11} + \frac{2}{11} = \_\_\_$

$\frac{8}{18} + \frac{10}{18} = \_\_\_$

$\frac{9}{15} + \frac{2}{15} = \_\_\_$

$\frac{12}{21} + \frac{6}{21} = \_\_\_$

$\frac{8}{13} + \frac{2}{13} = \_\_\_$

$\frac{3}{19} + \frac{7}{19} = \_\_\_$

$\frac{14}{25} + \frac{5}{25} = \_\_\_$

Name Date

SUBTRACTING FRACTIONS SHEET 5

Subtract the fractions then simplify the answer if needed.

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

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

3) $\frac{1}{3} - \frac{1}{7} =$

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

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

6) $\frac{4}{5} - \frac{3}{10} =$

7) $\frac{4}{9} - \frac{1}{4} =$

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

9) $\frac{3}{5} - \frac{4}{15} =$

10) $\frac{2}{3} - \frac{1}{9} =$

11) $\frac{9}{10} - \frac{1}{3} =$

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

13) $\frac{3}{4} - \frac{5}{12} =$

14) $\frac{7}{10} - \frac{1}{6} =$

15) $\frac{7}{8} - \frac{5}{6} =$

16) $\frac{3}{4} - \frac{7}{20} =$

17) $\frac{5}{6} - \frac{7}{10} =$

18) $\frac{11}{12} - \frac{2}{3} =$

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

20) $\frac{4}{5} - \frac{5}{12} =$

Fraction Multiplication

Date_____

Multiply the fractions

Name_____

1. $\frac{6}{12} \times \frac{2}{10} =$ _____

2. $\frac{1}{16} \times \frac{7}{21} =$ _____

3. $\frac{8}{9} \times \frac{1}{2} =$ _____

4. $\frac{11}{20} \times \frac{4}{14} =$ _____

5. $\frac{7}{18} \times \frac{11}{25} =$ _____

6. $\frac{3}{15} \times \frac{3}{7} =$ _____

7. $\frac{2}{4} \times \frac{3}{6} =$ _____

8. $\frac{5}{7} \times \frac{15}{18} =$ _____

9. $\frac{4}{8} \times \frac{3}{4} =$ _____

10. $\frac{3}{11} \times \frac{5}{9} =$ _____

11. $\frac{2}{14} \times \frac{1}{4} =$ _____

12. $\frac{1}{2} \times \frac{2}{5} =$ _____

13. $\frac{7}{10} \times \frac{7}{21} =$ _____

14. $\frac{1}{3} \times \frac{2}{9} =$ _____

Name:_____

Dividing Fractions

Solve the equations.

1. $\frac{1}{4} \div \frac{3}{4} =$ _____

2. $\frac{3}{10} \div \frac{6}{11} =$ _____

3. $\frac{6}{8} \div \frac{6}{7} =$ _____

4. $\frac{2}{15} \div \frac{4}{7} =$ _____

5. $\frac{3}{5} \div \frac{12}{9} =$ _____

6. $\frac{10}{11} \div \frac{5}{8} =$ _____

7. $\frac{3}{8} \div \frac{2}{7} =$ _____

8. $\frac{5}{7} \div \frac{8}{3} =$ _____

9. $\frac{5}{12} \div \frac{2}{10} =$ _____

10. $\frac{2}{3} \div \frac{8}{15} =$ _____

11. $\frac{7}{8} \div \frac{14}{35} =$ _____

12. $\frac{5}{21} \div \frac{8}{21} =$ _____

Slambo Resources

AREA AND PERIMETER OF RECTANGLES 2

Work out the area and perimeter of the following rectangles.

They are not to scale. Remember - **area inside** and **perimeter outside.**

1)

Area = _____ square cm

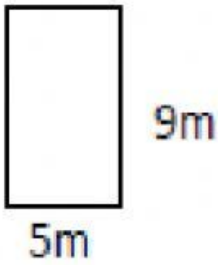
Perimeter = _____ cm

2)

Area = _____ square mm

Perimeter = _____mm

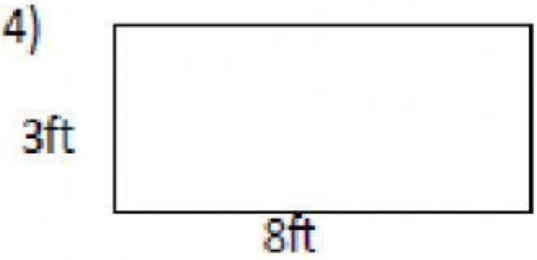
3)



Area = _____ square m

Perimeter = _____ m

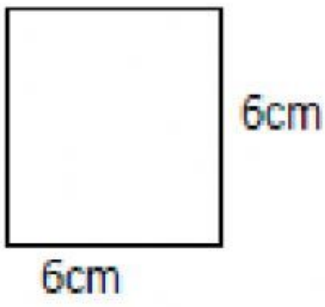
4)



Area = _____ square ft

Perimeter = _____ ft

5)



Area = _____ square cm

Perimeter = _____ cm

6)

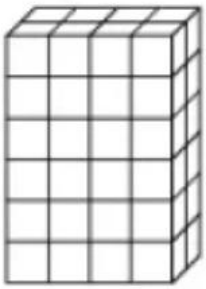
Area = _____ square km

Perimeter = _____ km

Name: _____

Volume with Unit Cubes
Level 1

Find the volume by counting the number of cubes. Each cube is one cubic unit.

1) 

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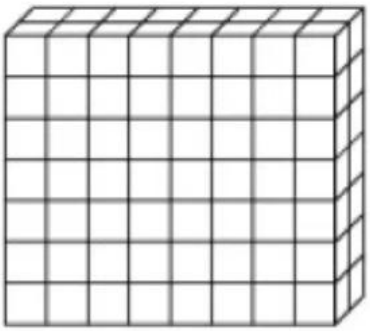
2) 

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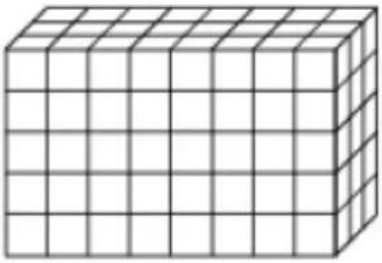
3) 

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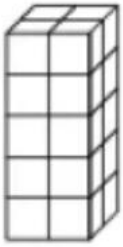
4) 

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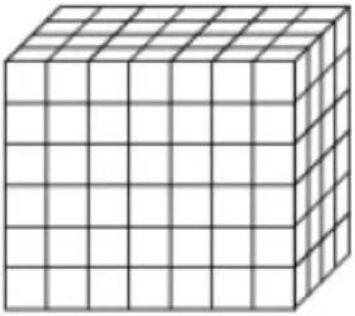
5) 

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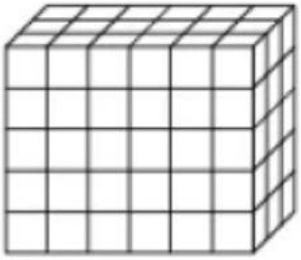
6) 

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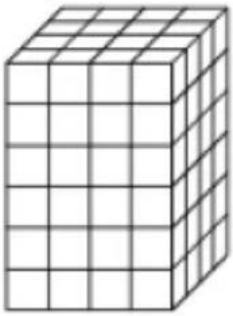
7) 

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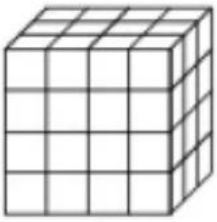
8) 

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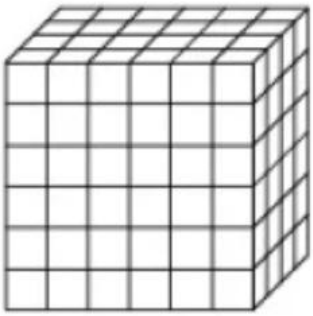
9) 

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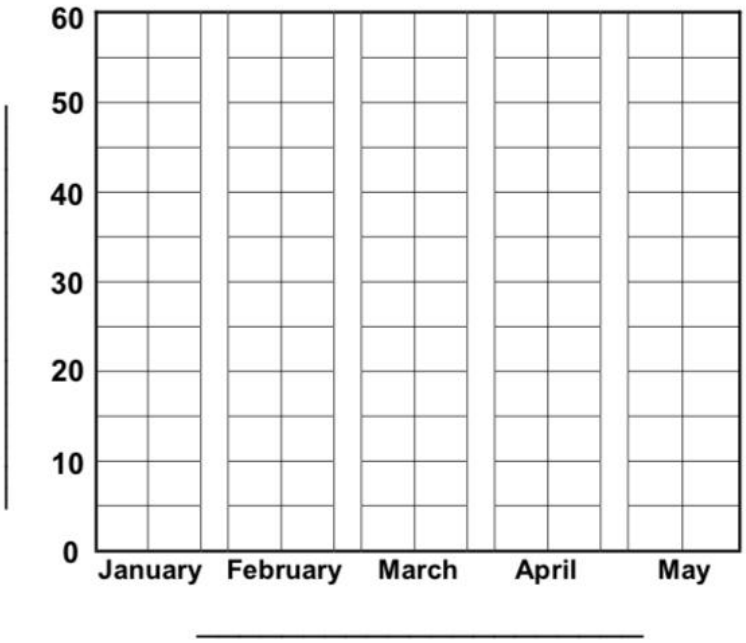
Newspapers double bar graph

Data and Graphing Worksheet

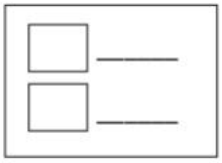
Students collected and recorded the weight of old newspapers for 5 months. Create a double bar graph and answer the questions.

Title:_____



_____

Month	Weight of newspaper	
	Grade 4	Grade 5
January	20 kg	25 kg
February	30 kg	20 kg
March	25 kg	55 kg
April	40 kg	30 kg
May	35 kg	50 kg

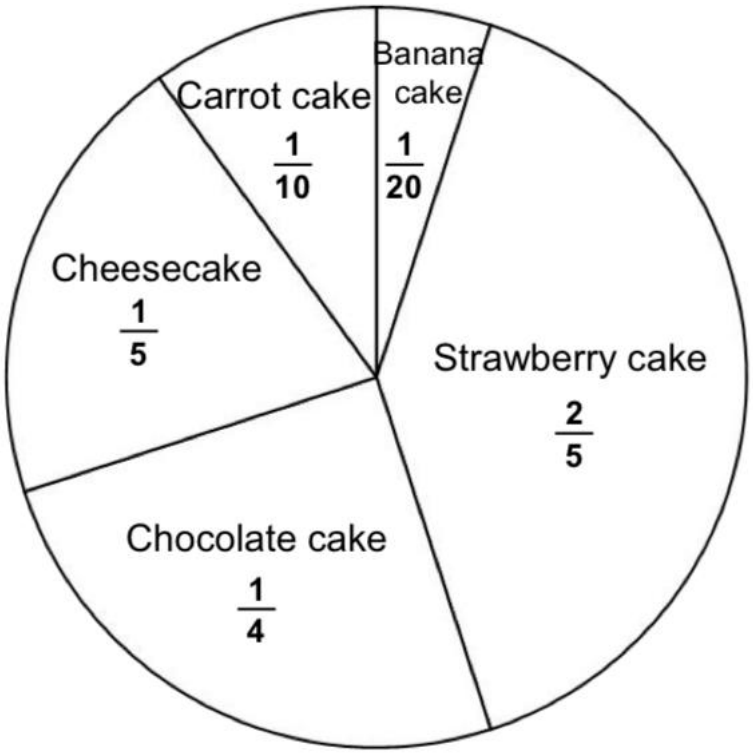


1. In which month did grade 4 pupils collect the most newspapers? _____
2. In which month did grade 5 pupils collect the fewest newspapers? _____
3. How many kg of newspapers did the Grade 5 students collect? _____
4. How many months did Grade 5 students collect more newspapers than Grade 4 students? _____
5. Which month has the fewest newspapers collected? _____
6. What is the difference between the total collection of Grades 4 and Grade 5? _____

Cakes circle graph

Data and Graphing Worksheet

The circle graph shows data about the cakes sold at a bake sale. Study the graph and answer the questions below.



Types of cake sold

1. What fraction of the sales are strawberry cakes? _____
2. Which cake sold half as much as carrot cakes? _____
3. Which cake is one-fifth of the total? _____
4. Which cake is the best seller? _____
5. What fraction of the total are strawberry and carrot cakes combined? _____
6. What fraction of the total are cheesecakes, strawberry and chocolate cakes combined? _____