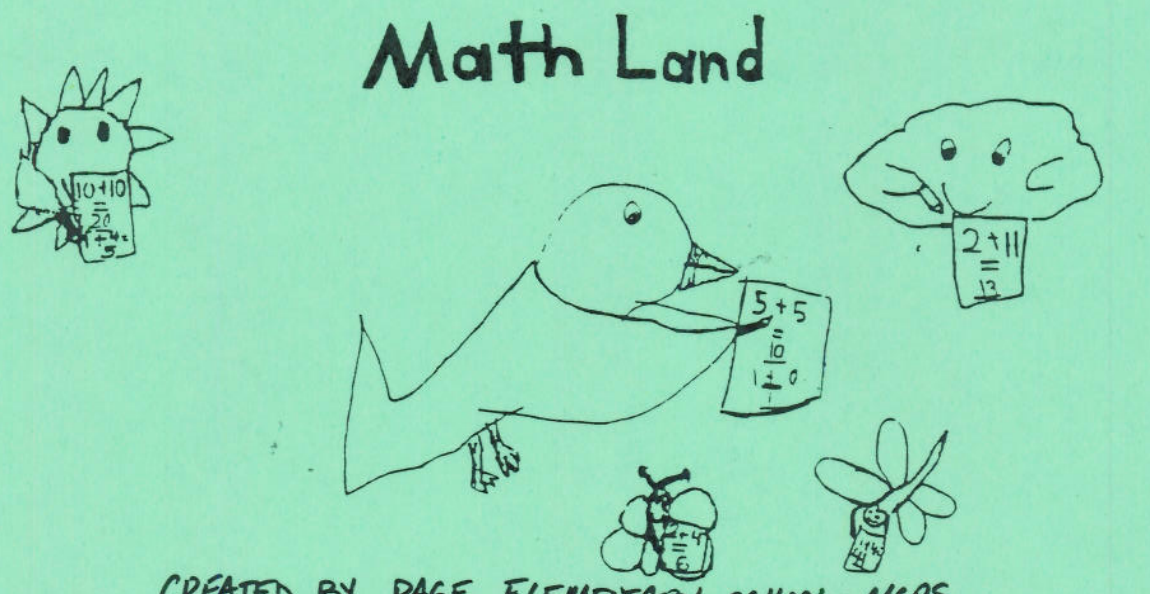
S ummer
M athematics
A ctivity
R eview
T ime

Name_____

Grade 4→5



June 2006

Dear Families,
At McAuliffe Elementary we would like every child to complete some of this math packet during the summer break. You, the parent, can decide how much of the packet is appropriate for your child to complete.

This math packet contains activities to help your child review math concepts learned this year. Your child may complete the activities independently or with your assistance.

Students who return the math review packet during the first week back to school will be recognized for this accomplishment.

One goal of McAuliffe is to promote increased math performance at all grade levels. Completing the summer review packet allows the school, students and parents to work together to achieve this goal. For additional math practice, please visit the links from our school website at:
http://www.mcps.k12.md.us/schools/mcauliffees

Student Responsibilities:

- Work on the summer math packet
- Review math skills throughout the summer
- Return the packet to school during the first week back

Parent Responsibilities:

- Monitor student work in the math packet
- Encourage student use of math concepts throughout the summer
- Ensure the return of the math packet during the first week back to school

This summer math booklet was compiled by
Dr. Brenda H. Hammond
Page Elementary School, 2000.

What's Missing?

Write the missing part.

1. 23 + _____ = 25
2. 48 + _____ = 51
3. 63 + _____ = 68
4. 36 + _____ = 42
5. 39 + _____ = 45
6. 74 + _____ = 79
7. 25 + _____ = 65
8. 32 + _____ = 52
9. 64 + _____ = 94
10. 50 + _____ = 62
11. 40 + _____ = 56
12. 42 + _____ = 65
13. 53 + _____ = 79
14. 82 + _____ = 95
15. 45 + _____ = 71
16. 68 + _____ = 87
17. 59 + _____ = 82
18. 49 + _____ = 65
19. 48 + _____ = 53
20. 28 + _____ = 56
21. 65 − _____ = 60
22. 72 − _____ = 62
23. 47 − _____ = 34
24. 52 − _____ = 48
25. 63 − _____ = 56
26. 67 − _____ = 52

You be the teacher. Correct these papers. Write C for correct and X for wrong.

Name Brenda

1. 200 − 143 = 57	**2.** 510 − 276 = 226	**3.** 354 − 87 = 267
4. 169 − 72 = 97	**5.** 700 − 345 = 445	**6.** 906 − 152 = 754

Number right _____

Number wrong _____

Name Chauncey

1. 650 − 128 = 538	**2.** 300 − 49 = 251	**3.** 703 − 467 = 123
4. 500 − 236 = 336	**5.** 261 − 180 = 81	**6.** 480 − 117 = 363

Number right _____

Number wrong _____

Name Laura

1. 573 − 195 = 378	**2.** 100 − 25 = 75	**3.** 264 − 178 = 114
4. 400 − 261 = 261	**5.** 969 − 124 = 845	**6.** 778 − 409 = 369

Number right _____

Number wrong _____

Name Edward

1. 380 − 190 = 190	**2.** 812 − 607 = 205	**3.** 600 − 139 = 461
4. 800 − 467 = 333	**5.** 423 − 154 = 331	**6.** 231 − 123 = 108

Number right _____

Number wrong _____

Add or subtract.

1. $43 + 15$

2. $53 + 19$

3. $159 + 28$

4. $86 - 25$

5. $73 - 27$

6. $245 - 39$

7. $6{,}548 + .735$

8. $4{,}273 - 454$

9. $6{,}254 - 3{,}465$

10. $537 + 42 + 651 + 19$

11. $35 + 487 + 20 + 176$

12. $1{,}534 + 29 + 176 + 8{,}254$

Use the table to help you solve each problem.

13. How many pounds of fruit were sold?

_____

14. How many more pounds of apples were sold than pounds of cherries?

_____

Fruit Sales for One Week	
Fruit	Number of pounds
Apples	4,327
Peaches	2,169
Pears	300
Bananas	6,200
Cherries	189

Write the hundreds digit.

1. 437 ___
2. 71,058 ___
3. 594,217 ___

Write the thousands digit.

4. 1,234 ___
5. 69,438 ___
6. 8,457,236 ___

Write the millions digit.

7. 3,452,768 ___
8. 5,247,031 ___
9. 1,452,763 ___

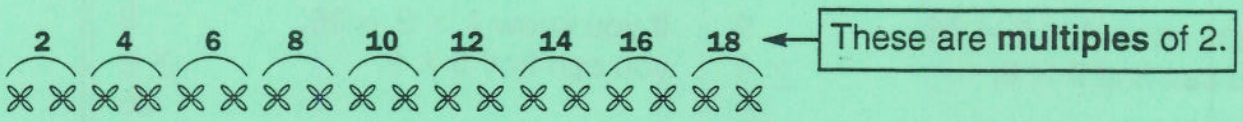
Write each number in standard form.

10. eighty thousand, four hundred _____
11. two hundred thirty-four thousand _____
12. one million, forty-seven _____
13. nine million, eighty thousand, five hundred _____
14. four hundred million, six hundred _____

Write the number that is 1,000 greater.

15. 7,538 _____
16. 6,534 _____
17. 596 _____
18. 1,800 _____
19. 98,999 _____

You can skip-count to help you multiply mentally.



3 groups of 2 equal 6.

$3 \times 2 = 6$

$$\begin{array}{r} 2 \\ \times\ 3 \\ \hline 6 \end{array}$$

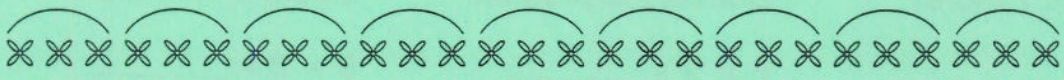
The **factors** are 2 and 3.

The **product** is 6.

List the multiples. Use the picture to help you.

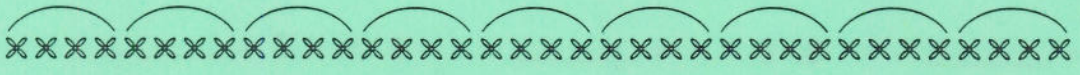
1. multiples of 3

3 6 ____ ____ ____ ____ ____ ____ ____



2. multiples of 4

____ ____ ____ ____ ____ ____ ____ ____ ____



3. multiples of 5

____ ____ ____ ____ ____ ____ ____ ____ ____

Find the product. Use any method.

4. $3 \times 4 =$ _____ **5.** $6 \times 4 =$ _____ **6.** $9 \times 4 =$ _____

7. $7 \times 4 =$ _____ **8.** $3 \times 3 =$ _____ **9.** $6 \times 3 =$ _____

10. $9 \times 3 =$ _____ **11.** $5 \times 3 =$ _____ **12.** $2 \times 5 =$ _____

You can use known facts to find other products.

If you know $4 \times 9 = 36$, you can find 8×9. Since 8 is twice 4, double the product to find 8×9: $36 + 36 = 72$ $8 \times 9 = 72$	$\begin{array}{r} 9 \\ \times\ 4 \\ \hline 36 \end{array}$ $\begin{array}{r} 9 \\ \times\ 8 \\ \hline 72 \end{array}$
If you know $4 \times 9 = 36$, you can find 5×9. Count on 9 more to find 5×9: $36 + 9 = 45$ $5 \times 9 = 45$	$\begin{array}{r} 9 \\ \times\ 4 \\ \hline 36 \end{array}$ $\begin{array}{r} 9 \\ \times\ 5 \\ \hline 45 \end{array}$

Find the product.

1. $7 \times 2 =$ _____
Count on 7 more.
$7 \times 3 =$ _____

2. $3 \times 9 =$ _____
Double the product.
$6 \times 9 =$ _____

3. $8 \times 3 =$ _____
Count on 3 more.
$9 \times 3 =$ _____

4. $8 \times 9 =$ _____
$9 \times 9 =$ _____

5. $7 \times 7 =$ _____
$8 \times 7 =$ _____

6. $3 \times 7 =$ _____
$6 \times 7 =$ _____

7. $9 \times 5 =$ _____

8. $8 \times 4 =$ _____

9. $9 \times 7 =$ _____

10. $7 \times 5 =$ _____

11. $1 \times 9 =$ _____

12. $9 \times 6 =$ _____

13. $9 \times 4 =$ _____

14. $7 \times 9 =$ _____

15. $7 \times 8 =$ _____

16. $7 \times 4 =$ _____

17. $1 \times 7 =$ _____

18. $2 \times 9 =$ _____

19. $\begin{array}{r} 9 \\ \times\ 3 \\ \hline \end{array}$

20. $\begin{array}{r} 5 \\ \times\ 9 \\ \hline \end{array}$

21. $\begin{array}{r} 2 \\ \times\ 7 \\ \hline \end{array}$

22. $\begin{array}{r} 9 \\ \times\ 1 \\ \hline \end{array}$

23. $\begin{array}{r} 3 \\ \times\ 7 \\ \hline \end{array}$

24. $\begin{array}{r} 4 \\ \times\ 9 \\ \hline \end{array}$

25. $\begin{array}{r} 7 \\ \times\ 9 \\ \hline \end{array}$

26. $\begin{array}{r} 5 \\ \times\ 7 \\ \hline \end{array}$

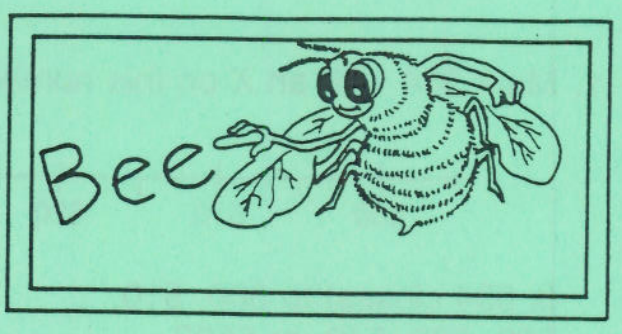
27. $\begin{array}{r} 6 \\ \times\ 9 \\ \hline \end{array}$

28. $\begin{array}{r} 9 \\ \times\ 9 \\ \hline \end{array}$

29. $\begin{array}{r} 9 \\ \times\ 7 \\ \hline \end{array}$

30. $\begin{array}{r} 8 \\ \times\ 9 \\ \hline \end{array}$

Phil is a third-grade contestant in a spelling bee at his school. He studies long lists of words every night.



Circle the best answer.

1. Phil is (8, 18, 81) years old.

2. Phil's ninth-grade sister is (4, 14, 140) years old.

3. Phil's new school is only (2, 12, 120) years old.

4. His teacher is about (14, 41, 140) years old.

5. There are only (2, 10, 210) students in Phil's school.

6. Each evening Phil studies for about (2, 12, 120) hours.

7. Phil studies (5, 55, 550) spelling words each night.

8. There are (5, 25, 250) students in the third grade.

9. A small dictionary costs ($0.15, $1.50, $15.00).

10. The winner's trophy weighs (3, 30, 300) pounds.

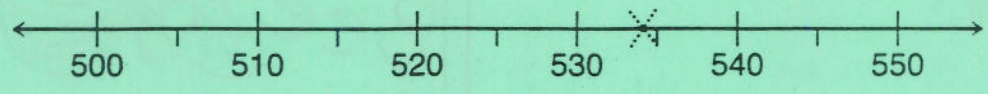
11. The afternoon spelling bee will begin at (4:30, 7:15, 11:00).

12. The longest word Phil can spell has (15, 150, 1500) letters.

13. At the spelling bee there will be only (3, 13, 33) judges.

14. In the final round of competition, there will be only (5, 50, 500) students left.

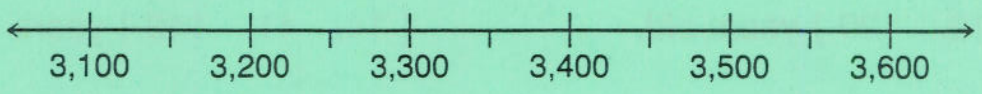
1. Mark 534 with an *X* on this number line.



Is 534 closest to 500, 510, 520, 530, 540, or 550? _____

Round 534 to the nearest ten. _____

2. Mark 3,412 with an *X* on this number line.



Is 3,412 closest to 3,100; 3,200; 3,300; 3,400; 3,500; or 3,600? _____

Round 3,412 to the nearest hundred. _____

Round each number to the nearest ten.

3. 47 _____
4. 132 _____
5. 470 _____
6. 2,188 _____
7. 706 _____
8. 4,476 _____

Round each number to the nearest hundred.

9. 174 _____
10. 3,438 _____
11. 289 _____
12. 2,188 _____
13. 706 _____
14. 4,475 _____

Round each number to the nearest thousand.

15. 2,188 _____
16. 5,706 _____
17. 4,475 _____

Mental Math Dividing Zeros

When both numbers in a division exercise end in 0, mark off the same number of 0s from both numbers.

$60\overline{)240}$

↓

$6\overline{)24}$

The answer is 4.

Divide mentally.

1. $40\overline{)280} \rightarrow 4\overline{)28}$ (7)

2. $30\overline{)150} \rightarrow$ ____

3. $20\overline{)120} \rightarrow$ ____

4. $50\overline{)350} \rightarrow$ ____

5. $60\overline{)420} \rightarrow$ ____

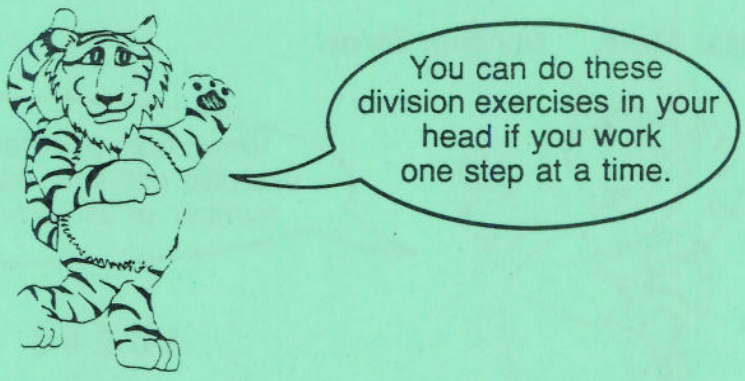
6. $70\overline{)490} \rightarrow$ ____

7. $80\overline{)320} \rightarrow$ ____

8. $900\overline{)4,500} \rightarrow$ ____

9. $300\overline{)2,700} \rightarrow$ ____

10. $4,000\overline{)160,000} \rightarrow$ ____



Divide mentally.

1. $45 \div 5 \div 3 = 3$

Think: $9 \div 3 = 3$

2. $72 \div 9 \div 4 = \_\_\_$

$\_\_\_ \div 4 = \_\_\_$

3. $42 \div 7 \div 3 = \_\_\_$

4. $50 \div 5 \div 5 = \_\_\_$

5. $16 \div 2 \div 4 = \_\_\_$

6. $48 \div 4 \div 3 = \_\_\_$

7. $63 \div 7 \div 3 = \_\_\_$

8. $27 \div 3 \div 3 = \_\_\_$

9. $81 \div 9 \div 3 = \_\_\_$

10. $40 \div 4 \div 5 = \_\_\_$

11. $36 \div 4 \div 3 \div 3 = \_\_\_$

12. $18 \div 2 \div 3 \div 3 = \_\_\_$

13. $16 \div 2 \div 2 \div 2 = \_\_\_$

14. $40 \div 5 \div 2 \div 2 = \_\_\_$

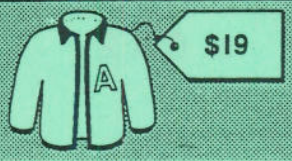
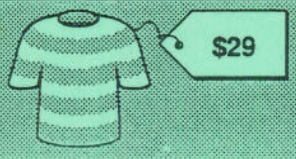
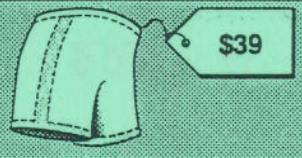
15. $32 \div 4 \div 2 \div 2 = \_\_\_$

16. $72 \div 9 \div 2 \div 2 = \_\_\_$

17. $72 \div 8 \div 3 \div 1 = \_\_\_$

18. $60 \div 10 \div 1 \div 2 = \_\_\_$

1. Fill in the prices on this Sports Store's "Ready Reckoner."

	Buy 2	Buy 3	Buy 4	Buy 5
	$18	$27	$_____	$_____
	$_____	$_____	$_____	$_____
	$_____	$_____	$_____	$_____
	$_____	$_____	$_____	$_____
	$_____	$_____	$_____	$_____

2. What patterns do you see when you look across the rows? _____

_____

3. What patterns do you see when you look down the columns? _____

_____

4. Your basketball team has $500 to spend. List what you would buy.

Choice 1:	Choice 2:
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Divide.

1. $4\overline{)28}$
2. $5\overline{)35}$
3. $8\overline{)40}$
4. $6\overline{)12}$
5. $3\overline{)16}$
6. $7\overline{)15}$
7. $9\overline{)30}$
8. $6\overline{)42}$
9. $9\overline{)47}$
10. $6\overline{)250}$
11. $4\overline{)119}$
12. $8\overline{)806}$

Solve each problem.

13. 29 students are going on a field trip. 5 students can ride in each car. How many cars are needed for the trip?

_____

14. There are 25 tennis balls in a bucket. 3 balls will fit in each can. If the tennis balls are placed in cans, how many cans will be filled?

_____

1. How many calories are there in these quantities of **whole milk?**

a. 4 ounces _____	b. 8 ounces _____
c. 12 ounces _____	d. 16 ounces _____

Dairy Products Calorie Counter
(For one-ounce quantities)

Food type	No. of calories
Whole Milk	20
Skim Milk	12
Low Fat Milk	15
Buttermilk	11
Cream	62
Cottage Cheese	33
Cheddar Cheese	110
Cream Cheese	150
Ice Cream	56

2. Use the Calorie Counter to answer these questions.

a. A cup holds about 8 ounces of skim milk. If you drink 6 cups a day, how many calories is that?	
b. A serving of ice cream is about 4 ounces. Is that more or less than 220 calories?	
c. What is the difference in calories between 4 ounces of cottage cheese and 4 ounces of cheddar cheese?	
d. If you were allowed 300 calories a day in dairy products, what would you choose?	

Problem Solving

A Sticky Subject

Stacy Stickup puts stickers on the pages of her sticker book. She can use as many pages as she wants, but she has to *fill* each page with the same kind of sticker. If Stacy cannot fill a page completely, Louie Leftover gets the stickers that are left.

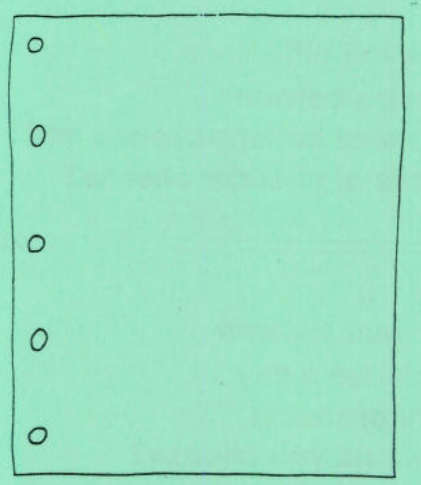
Complete the chart. Then tell how many stickers are left for Louie.

Number of Stickers		Number of Stickers that Will Fit on a Page	Number of Stickers for Louie
1. 	6	4	
2. 	12	8	
3. 	7	7	
4. 	37	4	
5. 	26	12	
6. 	37	10	
7. 	38	9	

8. What is the total number of stickers left over for Louie?

_____

9. Here is a page from Stacy's sticker book. Choose 1 type of sticker from the list above. Show what the page looks like after the stickers are on it.



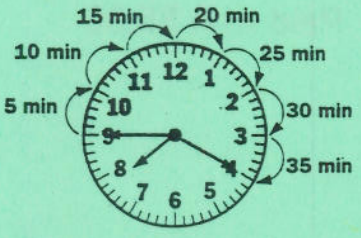
Elapsed Time

Tia studied for 35 minutes. She began at 7:45 P.M. What time was it when she stopped?

To find the **elapsed time,** or the time when Tia stopped, you can count on by 5s:

5	10	15	20	25	30	35

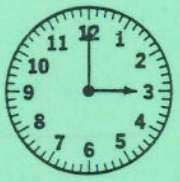
7:45 → 7:50 → 7:55 → 8:00 → 8:05 → 8:10 → 8:15 → 8:20



Tia stopped at 8:20 P.M.

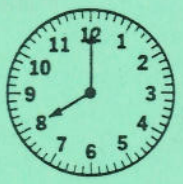
Tell what time it will be:

1. in 15 min.



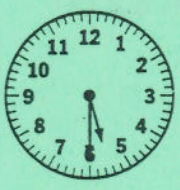
_____

2. in 20 min.



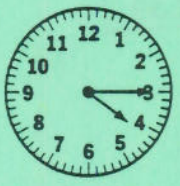
_____

3. in 35 min.



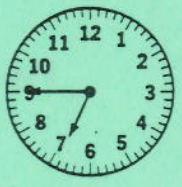
_____

4. in a half hour.



_____

5. in a half hour.



_____

6. in 45 min.

_____

7. in 2 h 15 min.

_____

8. in 4 h 20 min.

_____

9. in 1 h 25 min.

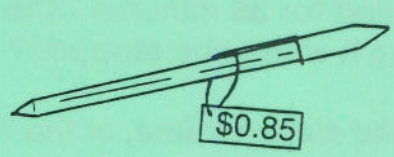
_____

Write the amount of change. You can draw a picture of the coins to help you.

1. 

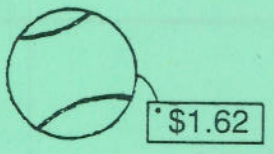
Paid with $5.00

_____

2. 

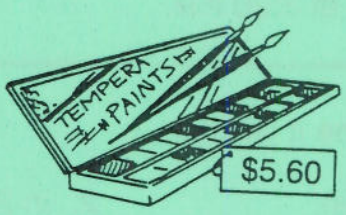
Paid with $1.00

_____

3. 

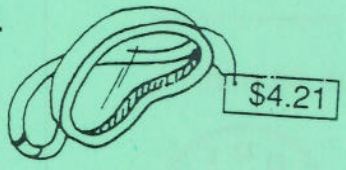
Paid with $2.00

_____

4. 

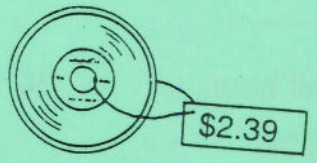
Paid with $10.00

_____

5. 

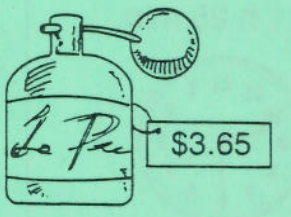
Paid with $5.00

_____

6. 

Paid with $2.50

_____

7. 

Paid with $4.00

_____

8. 

Paid with $7.00

_____

BEMBY'S NEIGHBORHOOD

Bemby builds houses. He needs your help in fixing up his neighborhood.

Put a  on $\frac{1}{4}$ of the houses.

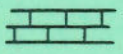
Put  on $\frac{9}{12}$ of the houses.

Put  on $\frac{3}{12}$ of the houses.

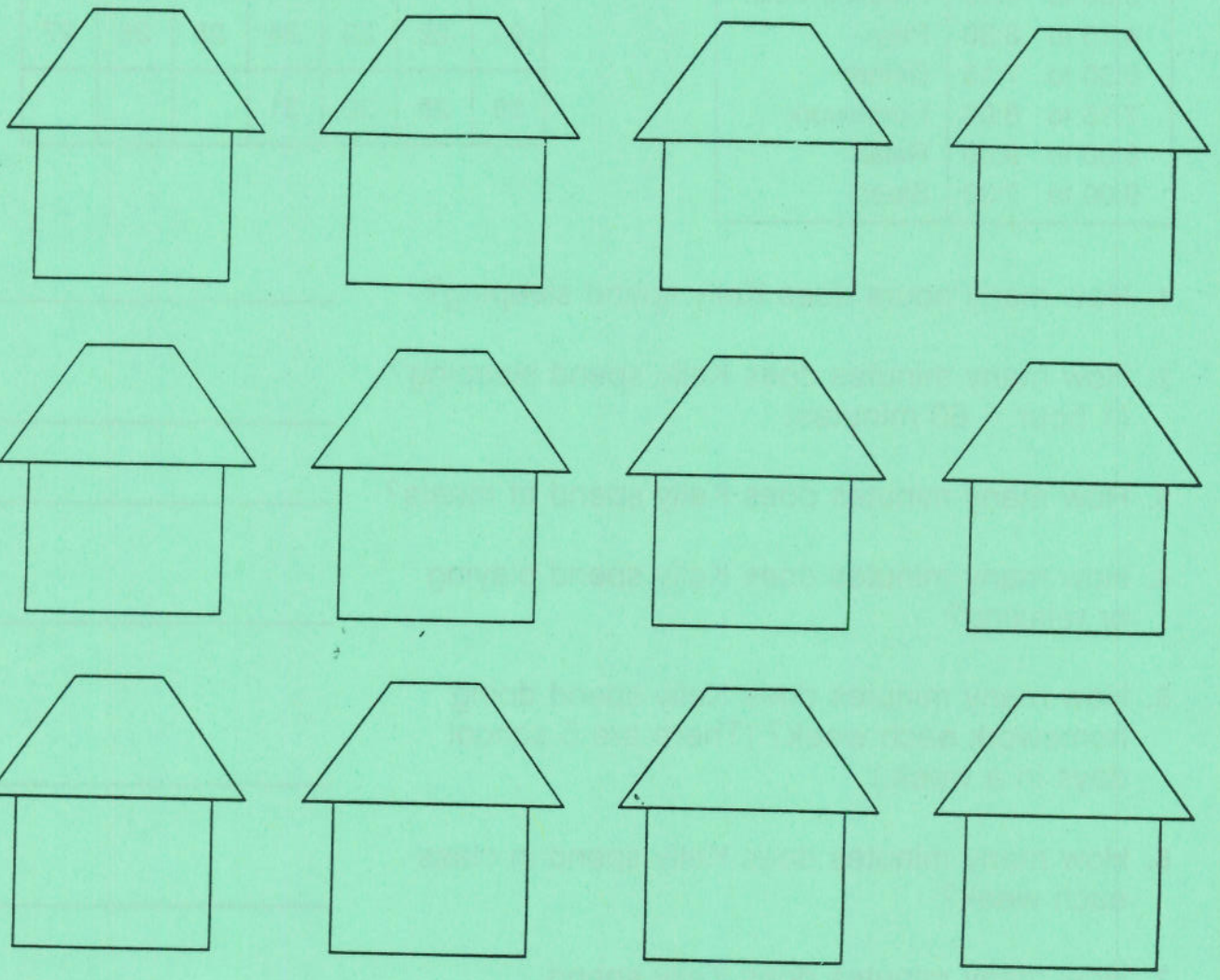
Put a  on $\frac{1}{2}$ of the houses.

Put a  on $\frac{6}{12}$ of the houses.

Put  next to $\frac{1}{3}$ of the houses.

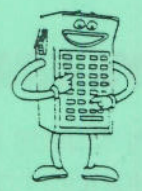
Put  on $\frac{3}{4}$ of the  .

Draw Bemby  next to $\frac{1}{12}$ of the houses.



Days and Minutes

Below is a table of a typical school day for Kelly and a calendar for October. Use the table and the calendar to answer the questions.



Time period	Activity
7:30 to 8:00	Breakfast
8:00 to 8:30	Chores
8:30 to 9:00	Walk to school
9:00 to 11:30	In class
11:30 to 12:15	Lunch
12:15 to 3:00	In class
3:00 to 3:30	Walk home
3:30 to 4:15	Practice violin
4:15 to 6:30	Play
6:30 to 7:15	Dinner
7:15 to 8:00	Homework
8:00 to 9:00	Relax
9:00 to 7:30	Sleep

October						
Su	M	T	W	Th	F	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

1. How many hours does Kelly spend sleeping? _____

2. How many minutes does Kelly spend sleeping? (1 hour = 60 minutes) _____

3. How many minutes does Kelly spend at meals? _____

4. How many minutes does Kelly spend playing or relaxing? _____

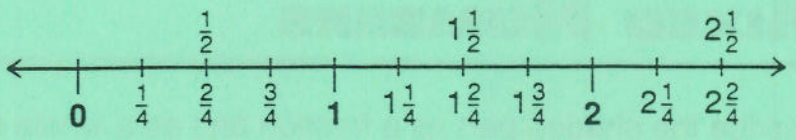
5. How many minutes does Kelly spend doing homework each week? (There are 5 school days in a week.) _____

6. How many minutes does Kelly spend in class each week? _____

7. How many minutes does Kelly spend in class during October? _____

Mental Math Figuring Fractions

This number line is marked off in fourths. Use it to find these sums.



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

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

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

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

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

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

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

8. $1\frac{1}{2} + \frac{1}{4} =$ _____

9. $1 + \frac{1}{4} =$ _____

10. $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} =$ _____

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

12. $\frac{3}{4} + \frac{1}{4} + \frac{1}{4} =$ _____

13. $0 + \frac{1}{4} + \frac{1}{4} =$ _____

14. $1 + \frac{1}{4} + \frac{1}{4} =$ _____

15. $1\frac{1}{2} + \frac{1}{4} + \frac{1}{4} =$ _____

16. $1\frac{3}{4} + \frac{1}{4} + \frac{1}{4} =$ _____

17. $2 + \frac{1}{4} + \frac{1}{4} =$ _____

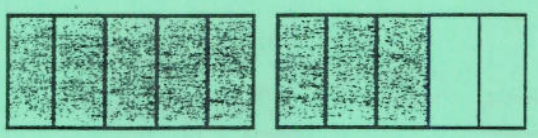
Try these without looking at the number line.

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

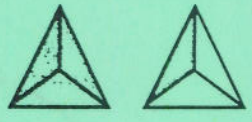
19. $1\frac{3}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} =$ _____

Mixed Numbers

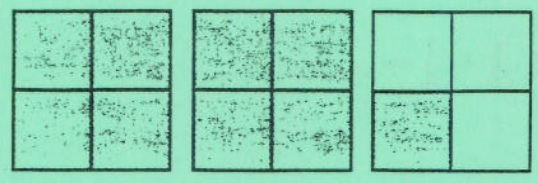
Describe the shaded part as a fraction and as a whole or a mixed number.

1. 

$1\frac{3}{5}$ $\frac{8}{5}$

2. 

$1\frac{1}{3}$ $\frac{4}{3}$

3. 

4. 

Rename as a whole number or as a mixed number in simplest form.

5. $\frac{3}{3}$ 1
6. $\frac{5}{5}$ _____
7. $\frac{6}{5}$ $1\frac{1}{5}$
8. $\frac{9}{7}$ _____
9. $\frac{7}{7}$ _____
10. $\frac{6}{3}$ _____
11. $\frac{9}{3}$ _____
12. $\frac{10}{3}$ _____
13. $\frac{24}{6}$ 4
14. $\frac{25}{6}$ _____
15. $\frac{13}{4}$ _____
16. $\frac{31}{5}$ _____
17. $\frac{21}{14}$ _____
18. $\frac{24}{18}$ _____
19. $\frac{36}{18}$ _____
20. $\frac{27}{3}$ _____
21. $\frac{30}{7}$ _____
22. $\frac{48}{9}$ _____
23. $\frac{50}{8}$ _____
24. $\frac{75}{9}$ _____

Solve.

25. Wanda used $\frac{5}{3}$ cups of sugar in a cake recipe she was making. Write this as a whole or a mixed number.

_____

26. Ben used $\frac{16}{4}$ cups of milk in a dessert he was making. Write this as a whole or a mixed number.

_____