

Incoming Grade 3
Math Summer
Learning Packet

Name:

Name _____

Date _____



Hundreds Chart



Use the hundreds chart to identify patterns between numbers.



Directions:

1. Draw a star over the number 32. Now circle the number that is 10 more than 32. Now circle the number that is 10 less than 32. What do you notice?
2. Draw a star over the number 1 on the chart. Now pick any one-digit number. (**Note it here:** ____.) Now add 1+. Circle your answer. Keep adding the number you chose, and circle the sums until you run out of room. Do you notice a pattern?
3. Activity: Find a partner. Have your partner select any two-digit number on the chart. Ask them to tell you ONE of the digits that is in that number. Can you find all the possible numbers that your partner could be thinking of?



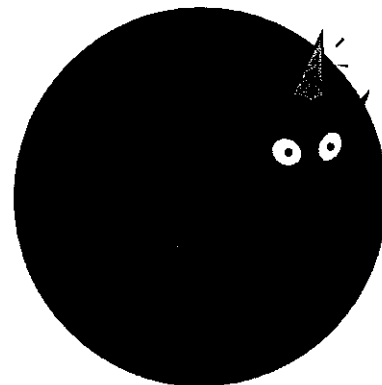
| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |



Name _____ Date _____

READING CALENDAR DAYS & DATES:

July 2022



Answer the following questions using the calendar below.

1. How many weekend days are there in July?

2. Write the date of a fireworks show three days before the Fourth of July.

4. What day on the calendar is July 9?

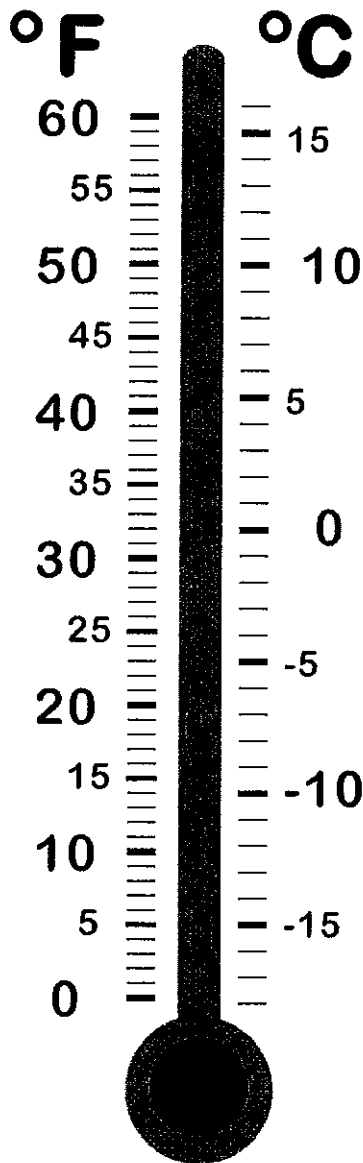
3. If you leave for a five-night trip on July 11, what day would you return?

5. Choose any date in July and write it two different ways.

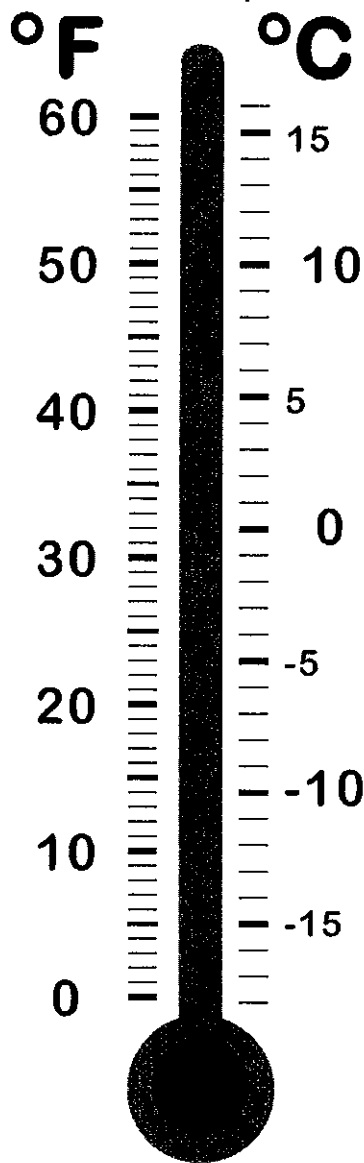
| | | | | | 1 | 2 |
|----------|----|----|----|----|----|----|
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 31 | 25 | 26 | 27 | 28 | 29 | 30 |

MEASURE TEMPERATURE

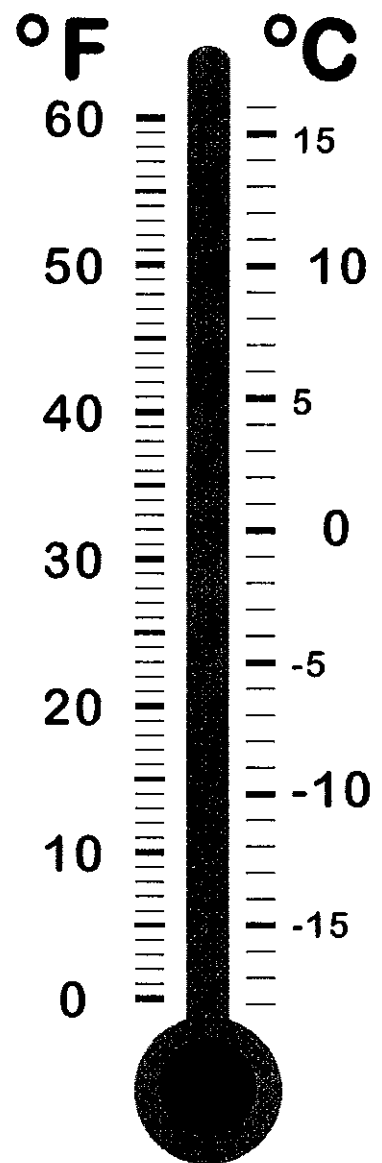
Fill in each thermometer with the given temperature in red.
Write the equivalent temperature in the blank.



____ °F
15 °C



50 °F
____ °C

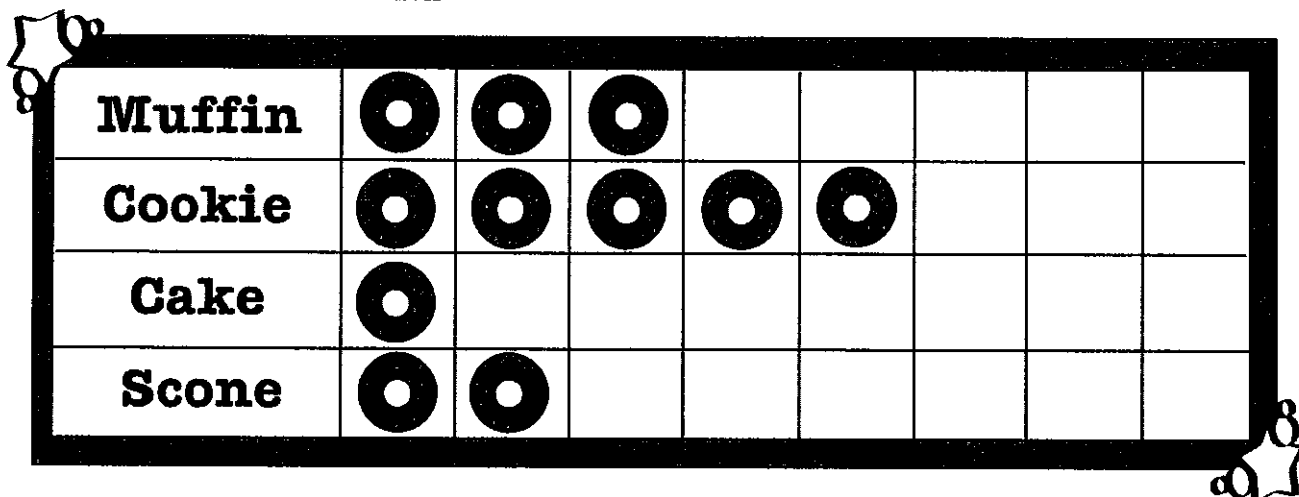
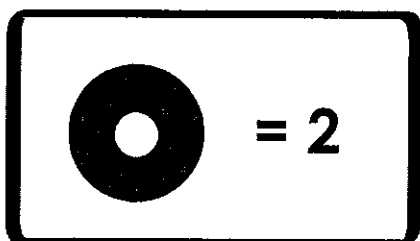


____ °F
-5 °C

At The Bakery

Name: _____ Date: _____

Mrs. Guerra's class went to the local bakery for a class field trip. The students bought different baked goods. Use the graph to help you answer the following questions



- How many students bought muffins? _____
- How many students bought cookies? _____
- How many students bought cake? _____
- How many students bought scones? _____
- How many students went to the field trip? _____
- Which baked good was the most popular? _____
- Which one was the least popular? _____

Name _____

Date _____

Money Terms



Cents is the unit we use to make up a whole dollar.

100 cents equals a dollar.

Cents are written as a fraction of a dollar in decimals.

\$1.00 = ~~one whole dollar~~ = 100¢



The decimal point is placed after the whole dollar amount and before the cents.

\$5.45

five whole dollars decimal point forty-five cents

DIRECTIONS: Write each amount numerically. The first one has been done for you.

1. Four dollars, twenty cents \$4.20

9. Sixty dollars, twenty cents _____

2. Five dollars, fifty-two cents _____

10. Ten dollars, sixty-five cents _____

3. Three dollars, eight cents _____

11. Fifteen dollars, seventy-two cents _____

4. Six dollars, ten cents _____

12. Twenty dollars, thirty cents _____

5. Fourteen dollars, five cents _____

13. Fifty-one dollars, forty cents _____

6. Eighteen dollars, fifty cents _____

14. Sixty dollars, ninety-five cents _____

7. One dollar, fifty-three cents _____

15. Five dollars, fourteen cents _____

8. Eleven dollars, ninety cents _____

16. Ninety dollars, twelve cents _____

Find the number that will complete the pattern and write it.

1) 44, 46, 48, **50** _____

| | | | |
|----|----|----|----|
| 52 | 50 | 54 | 42 |
|----|----|----|----|

3) 763, 764, 765, _____

| | | | |
|-----|-----|-----|-----|
| 761 | 768 | 766 | 777 |
|-----|-----|-----|-----|

5) 70, 80, 90, _____

| | | | |
|-----|----|-----|-----|
| 110 | 60 | 100 | 130 |
|-----|----|-----|-----|

7) 55, 56, 57, _____

| | | | |
|----|----|----|----|
| 59 | 60 | 54 | 58 |
|----|----|----|----|

10) 5, 10, 15, _____

| | | | |
|----|----|----|----|
| 35 | 20 | 30 | 45 |
|----|----|----|----|

12) 122, 124, 126, _____

| | | | |
|-----|-----|-----|-----|
| 132 | 121 | 128 | 130 |
|-----|-----|-----|-----|



2) 125, 130, 135, _____

| | | | |
|-----|-----|-----|-----|
| 145 | 140 | 155 | 150 |
|-----|-----|-----|-----|

4) 7, 10, 13, _____

| | | | |
|----|----|----|----|
| 16 | 22 | 21 | 14 |
|----|----|----|----|

6) 832, 834, 836, _____

| | | | |
|-----|-----|-----|-----|
| 838 | 842 | 840 | 830 |
|-----|-----|-----|-----|

8) 900, 910, 920, _____

| | | | |
|-----|-----|-----|-----|
| 940 | 930 | 960 | 980 |
|-----|-----|-----|-----|

11) 223, 226, 229, _____

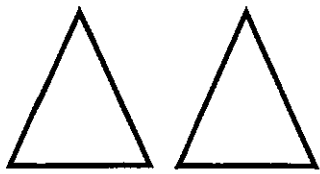
| | | | |
|-----|-----|-----|-----|
| 230 | 228 | 220 | 232 |
|-----|-----|-----|-----|

13) 1071, 1072, 1073, _____

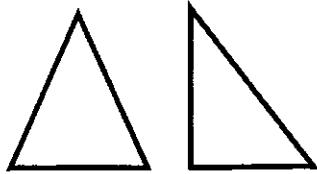
| | | | |
|------|------|------|------|
| 1771 | 1074 | 1075 | 1107 |
|------|------|------|------|

△○□ Congruent Shapes □○△

Congruent means having the same shape and size.



congruent

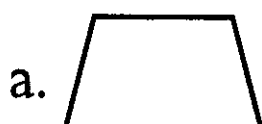
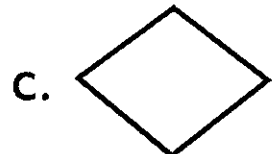
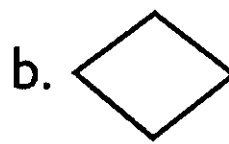
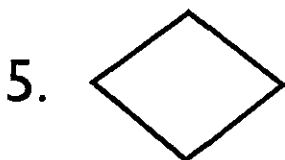
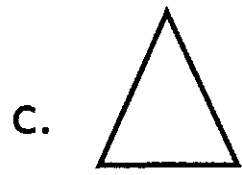
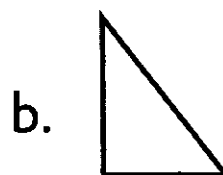
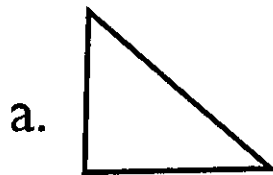
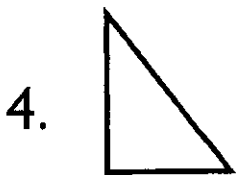
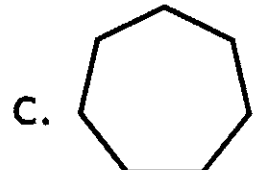
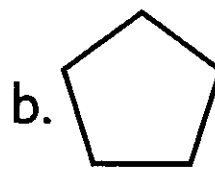
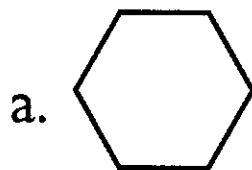
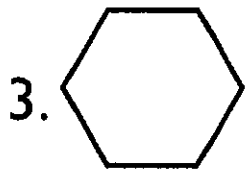
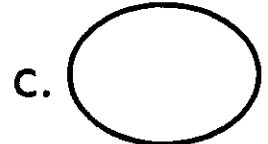
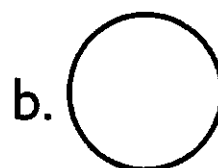
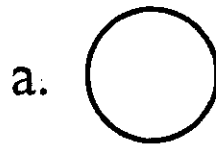
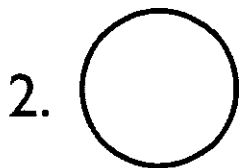


not congruent



not congruent

Color the pairs of congruent shapes.



Name: _____

Addition



Find the sums.

a.
$$\begin{array}{r} 72 \\ + 19 \\ \hline \end{array}$$

b.
$$\begin{array}{r} 46 \\ + 27 \\ \hline \end{array}$$

c.
$$\begin{array}{r} 14 \\ + 33 \\ \hline \end{array}$$

d.
$$\begin{array}{r} 83 \\ + 36 \\ \hline \end{array}$$

e.
$$\begin{array}{r} 50 \\ + 57 \\ \hline \end{array}$$

f.
$$\begin{array}{r} 67 \\ + 8 \\ \hline \end{array}$$

g.
$$\begin{array}{r} 56 \\ + 65 \\ \hline \end{array}$$

h.
$$\begin{array}{r} 44 \\ + 46 \\ \hline \end{array}$$

i.
$$\begin{array}{r} 5 \\ + 29 \\ \hline \end{array}$$

j.
$$\begin{array}{r} 38 \\ + 27 \\ \hline \end{array}$$

k.
$$\begin{array}{r} 99 \\ + 99 \\ \hline \end{array}$$

- l. Sam has 29 books.
Jan has 44 books.
How many books do they have altogether? _____

- m. Nate has 47 chapter books.
He buys 13 more.
How many chapter books does he have in all? _____

Name: _____

2-Digit Addition without Regrouping

Addition

Find the sums.

a.
$$\begin{array}{r} 32 \\ + 15 \\ \hline \end{array}$$

b.
$$\begin{array}{r} 44 \\ + 34 \\ \hline \end{array}$$



c.
$$\begin{array}{r} 41 \\ + 10 \\ \hline \end{array}$$

d.
$$\begin{array}{r} 20 \\ + 29 \\ \hline \end{array}$$

e.
$$\begin{array}{r} 62 \\ + 6 \\ \hline \end{array}$$

f.
$$\begin{array}{r} 72 \\ + 26 \\ \hline \end{array}$$

g.
$$\begin{array}{r} 34 \\ + 23 \\ \hline \end{array}$$

h.
$$\begin{array}{r} 5 \\ + 61 \\ \hline \end{array}$$

i.
$$\begin{array}{r} 54 \\ + 20 \\ \hline \end{array}$$

j.
$$\begin{array}{r} 83 \\ + 16 \\ \hline \end{array}$$

- k. Diego has 25 toy cars.
Sara has 13 toy cars.
How many toy cars do they have altogether? _____

- l. Sara has 34 dolls.
Diego gives her 3 more.
How many dolls does she have in all? _____

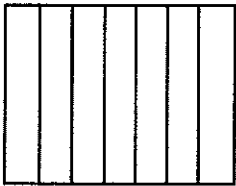
Name _____

Date _____

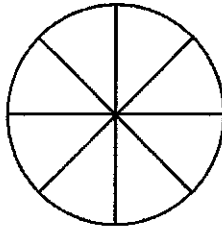
COLOR THE FRACTION

Color the shape to show the fraction.

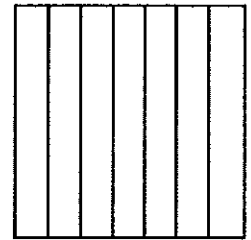
$$\frac{4}{7} =$$



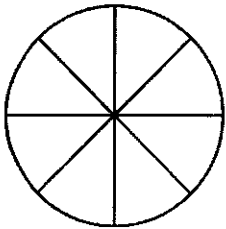
$$\frac{2}{8} =$$



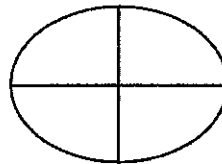
$$\frac{3}{7} =$$



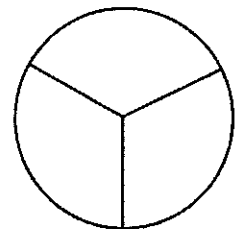
$$\frac{5}{8} =$$



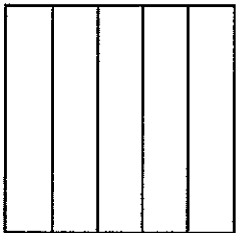
$$\frac{4}{4} =$$



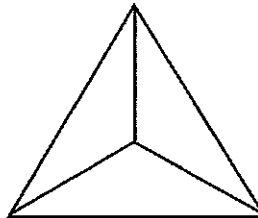
$$\frac{1}{3} =$$



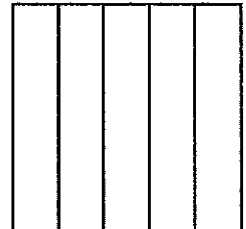
$$\frac{2}{5} =$$



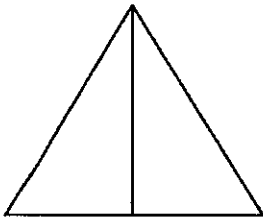
$$\frac{2}{3} =$$



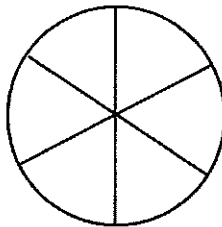
$$\frac{1}{5} =$$



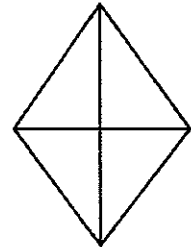
$$\frac{1}{2} =$$



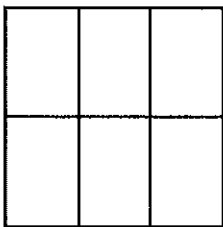
$$\frac{5}{6} =$$



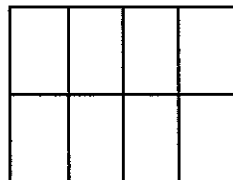
$$\frac{3}{4} =$$



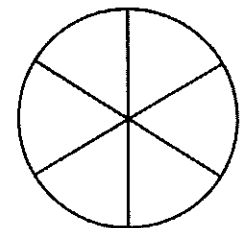
$$\frac{3}{6} =$$



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



$$\frac{6}{6} =$$



Name _____ Date _____

Odd or Even?

Write "odd" or "even" in the bubble next to the number or answer.

1. **23** odd even
 ☐ ☐

9. **45** odd even
 ☐ ☐

2. **8** odd even
 ☐ ☐

10. **70** odd even
 ☐ ☐

3. **76** odd even
 ☐ ☐

11. **12** odd even
 ☐ ☐

4. **64** odd even
 ☐ ☐

12. **3** odd even
 ☐ ☐

5. **12** odd even
 ☐ ☐

13. **58** odd even
 ☐ ☐

6. **57** odd even
 ☐ ☐

14. **83** odd even
 ☐ ☐

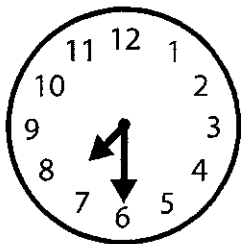
7. **5** odd even
 ☐ ☐

15. **2** odd even
 ☐ ☐

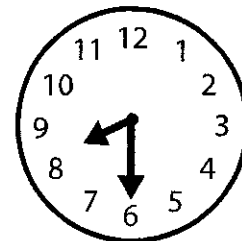
8. **91** odd even
 ☐ ☐

16. **11** odd even
 ☐ ☐

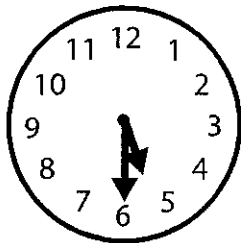
Half Hour Match Up



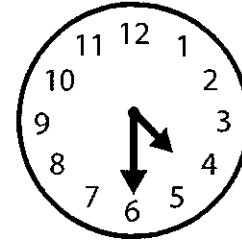
11:30



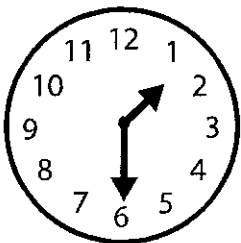
2:30



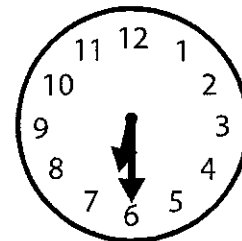
4:30



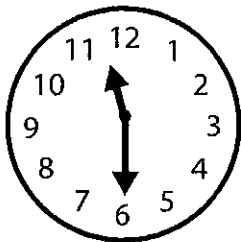
7:30



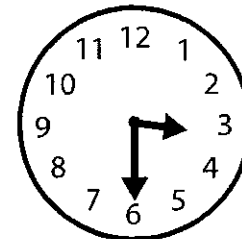
12:30



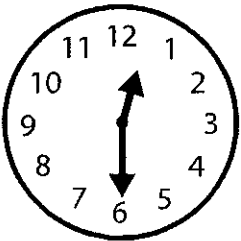
3:30



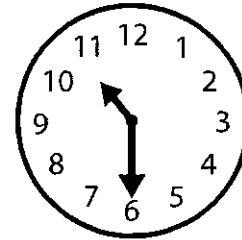
9:30



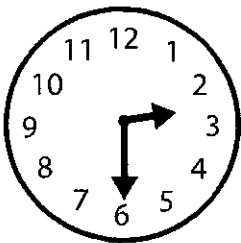
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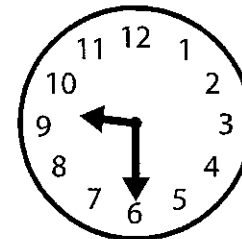
1:30



8:30

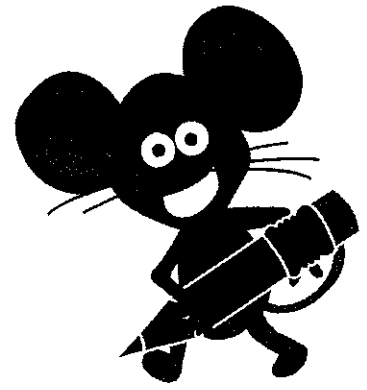


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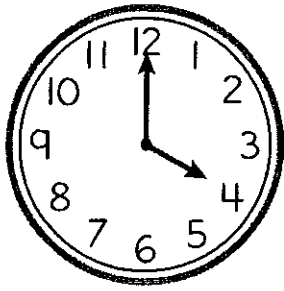


6:30

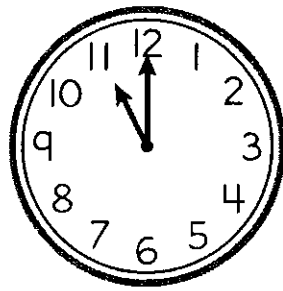
Telling Time 2



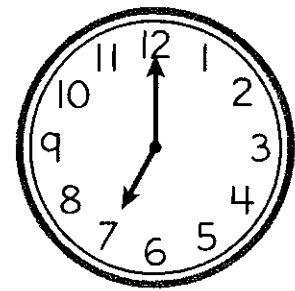
Melissa Mouse is learning how to read a clock.
Help her finish writing the times for each clock by
looking at each clock and writing the time you see.



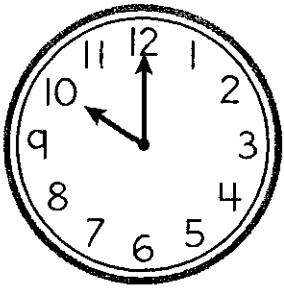
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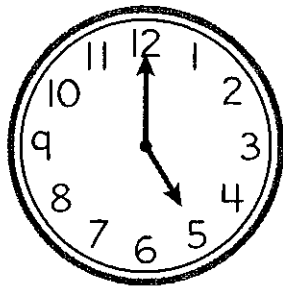
__:00



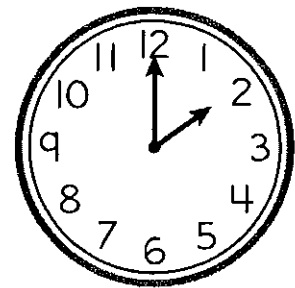
__:00



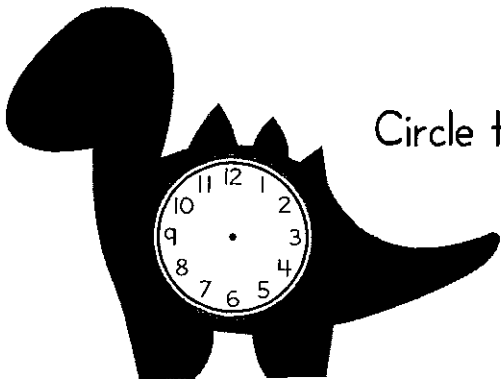
__:00



__:00



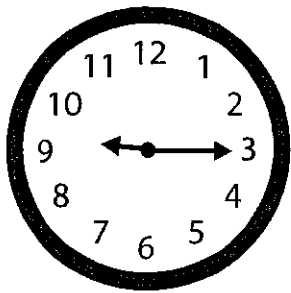
__:00



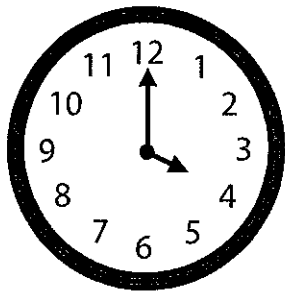
Circle the clock that shows **2:00**. Copy the hands onto
Melissa's new dinosaur clock.

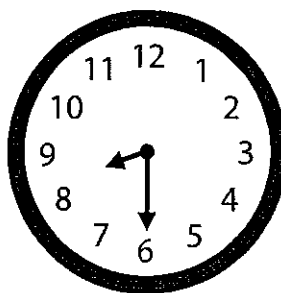
Learning to Tell Time

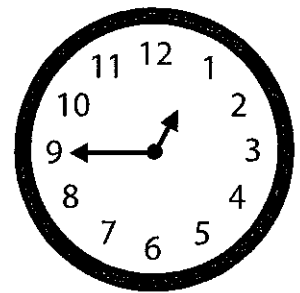
Write the time under the first set of clocks. The first one has been done for you.

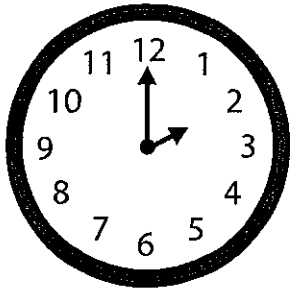


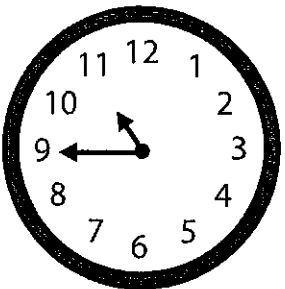
9:15

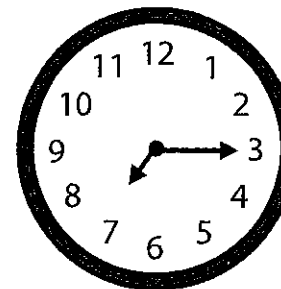


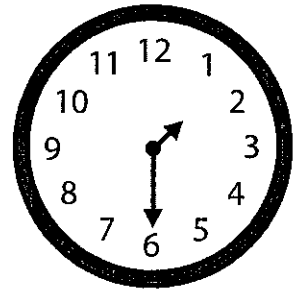




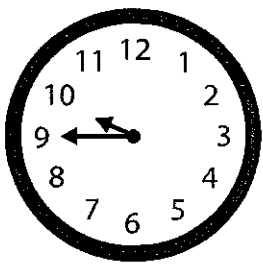




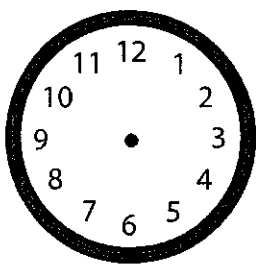




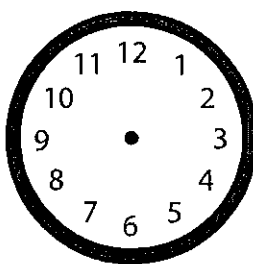
Now draw the hands on these analog clock faces to match the digital time already given. The first one has been done for you.



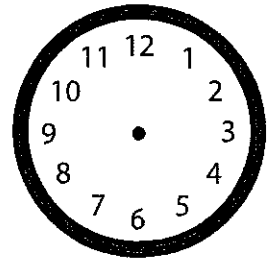
9:45



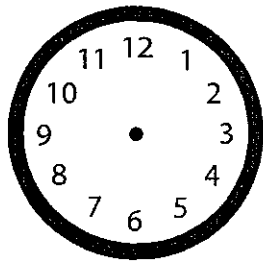
12:15



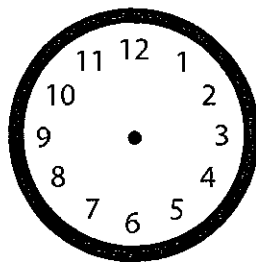
3:30



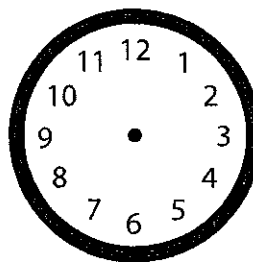
7:00



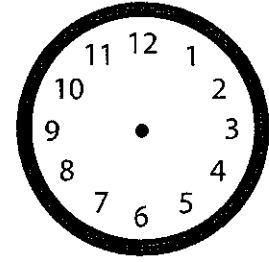
10:15



6:00



5:15



11:00

Name _____

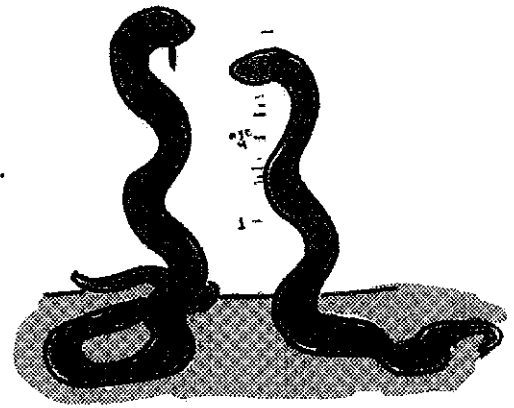
Date _____

Addition Facts Word Problems

Write and solve an addition equation for each problem.

1. The city zoo has six white rhinos and seven black rhinos.
How many rhinos does it have in all?

$$\underline{6} + \underline{7} = \underline{13}$$



2. The parrot house has seven adult macaws and five young macaws. How many macaws does it have in all?

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

3. The Down Under Display has eight mother kangaroos. Four of them each have one baby.
How many kangaroos are there in all?

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

4. The zoo has eight Asian elephants and five African elephants. How many elephants are there in all?

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

5. In the monkey house, there are seven tamarins and nine marmosets. How many monkeys are there in all?

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

6. Last year, the anaconda snake measured eight feet long. This year it grew another five feet.
How many feet long is it this year?

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

7. The Polar Display has three penguins and seven harp seals. How many polar animals are there in all?

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

8. The seals eat six baskets of fish a day. How many baskets of fish do they eat in two days?

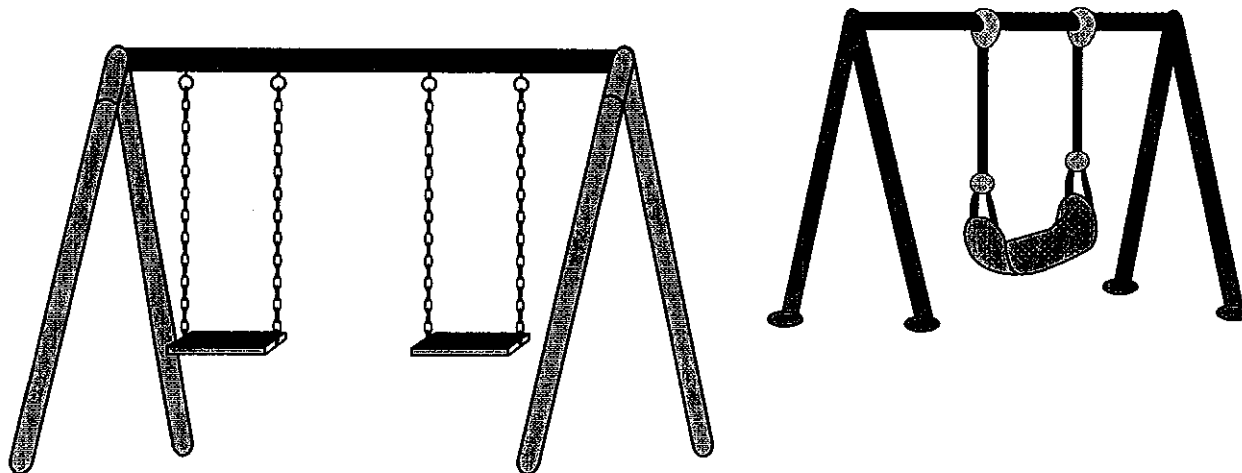
$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

Name: _____

Date: _____

Measuring Swings

Parker City is getting a new park! Solve the problems below to help them set up their swings.



- 1) If Parker City wants to install one swing, it will take up 8 feet. If they want to install two swings, how much space will they take up?

- 2) The swing set will be 18 feet long. It will go across the side of the park that is 25 feet long. How many feet will be left on that side of the park once the swing set is installed?

- 3) The swings can go from 1 feet high to 14 feet high. What is the difference between the longest and shortest distances that the swings can go?

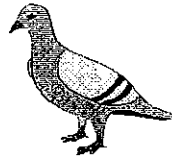
Name _____

Date _____

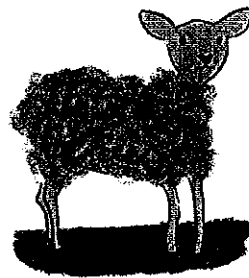
Word Problems: Subtraction

Read each problem. Write a number sentence and solve.

1. Ms. Hua has 21 pigeons and 17 finches in her aviary.
How many more pigeons does she have?



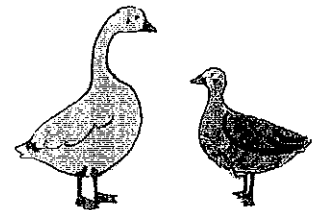
2. The meadow holds 70 sheep. 61 graze there.
How many spaces remain?



3. Bahar has 53 cherry trees. 24 are saplings (young trees).
How many grown trees does Bahar have?



4. Irena has 55 geese. 31 are ganders (male geese). How many are female?



5. There were 67 kittens at the animal rescue shelter on Friday. 42 found loving homes on Saturday.
How many kittens remain on Sunday?



6. I counted 27 butterflies in the garden yesterday.
Now I see only 14. How many flew away?



Name _____

Date _____

Array Practice

An **array** is a visual representation of numbers. It is an arrangement of objects, pictures, or numbers in columns and rows.

This **array** has 4 rows and 3 columns.



Directions: Write a number sentence for each array.

1.



$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

2.



$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

3.



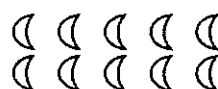
$$\underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

4.



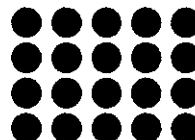
$$\underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

5.



$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

6.



$$\underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

Directions: Read each word problem. Then, draw an array, write a number sentence, and solve.

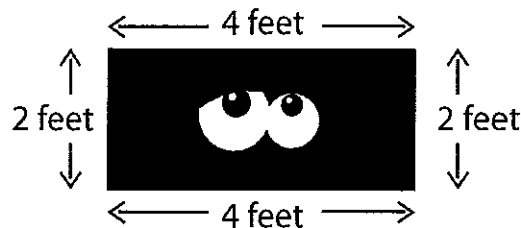
7. Tess, Hal, and Joe each have 2 dollars. How many dollars do they have in all?

8. Cathy has 5 boxes of crayons. Each box has 8 crayons. How many crayons does she have in all?

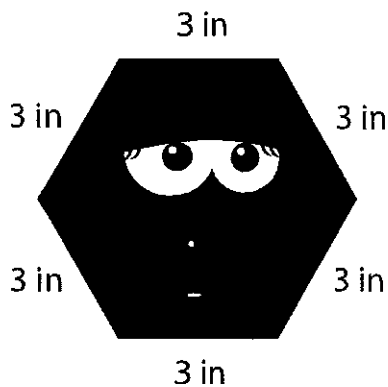
Name: _____ Date: _____

GEOMETRY: PERIMETER

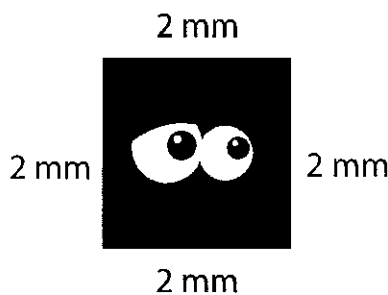
The *perimeter* of a polygon is equal to the distance around it.



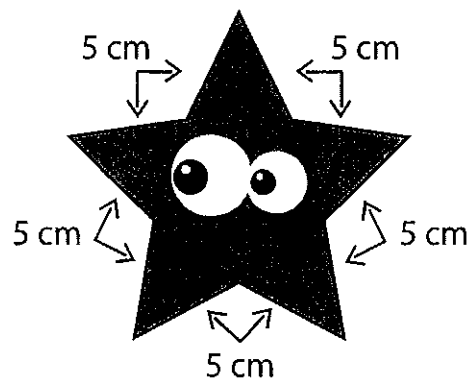
$$\begin{array}{r} 2 \text{ feet} \\ 4 \text{ feet} \\ 2 \text{ feet} \\ + 4 \text{ feet} \\ \hline 12 \text{ feet} \end{array}$$



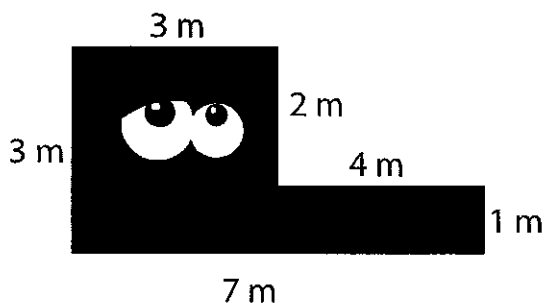
perimeter = _____



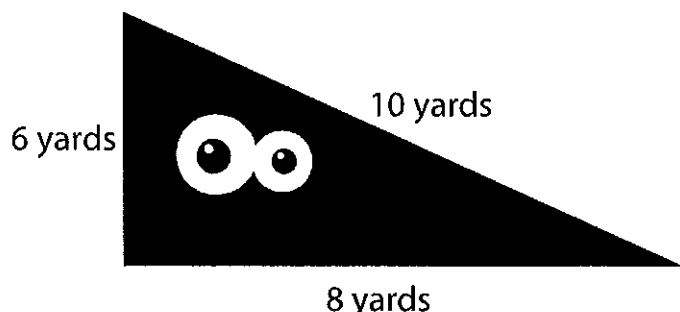
perimeter = _____



perimeter = _____



perimeter = _____



perimeter = _____

- a) The football field at the park down the street is in the shape of a rectangle. Two sides measure 4 km, and the other two sides measure 2 km. What is the total perimeter of the football field?

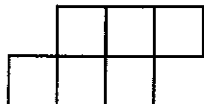
- b) The gazebo in Emily's backyard is in the shape of an octagon. Each side of the octagon measures 4 feet. What is the total perimeter of the gazebo?

Name: _____

Date: _____

Area: Counting Unit Squares

Area is the measurement of the square units inside a shape. Each square inside the shape is 1 square unit.

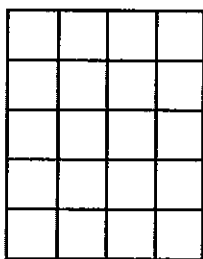


Area: 6 square units



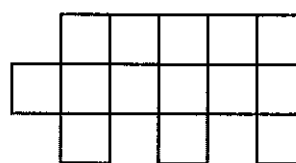
Directions: Find the area of the shape by counting the square units.

1.



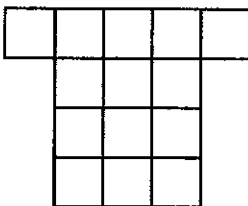
Area: _____ square units

2.



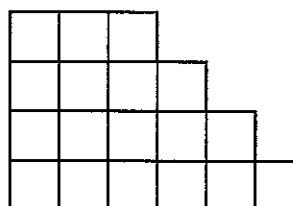
Area: _____ square units

3.



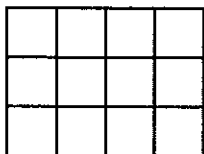
Area: _____ square units

4.



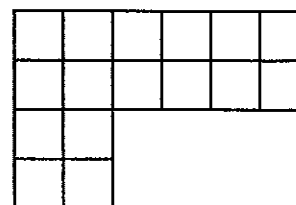
Area: _____ square units

5.



Area: _____ square units

6.



Area: _____ square units