

ENTERING FOURTH GRADE SUMMER PACKET

**Please send this completed packet with your student on the first day of school.
The summer reading assignment can be found on our school website.**

Name _____

Date _____

1. Use tally marks to determine how many students chose which event to participate in at field day.

relay race



_____ students

3-legged race



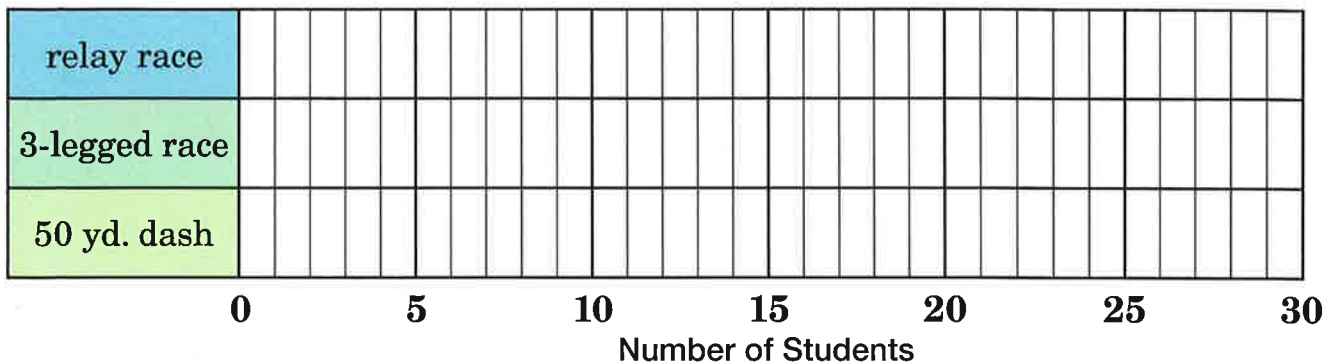
_____ students

50 yd. dash



_____ students

2. Graph your results.



3. Solve the story problems.

a. Mrs. Wright baked 135 chocolate chip cookies and $\frac{1}{3}$ as many brownies as cookies for her Bible class. How many cookies and brownies did she bake in all?

Workspace a

b. Liam has 36 seashells in his collection. Mason has 5 fewer shells than Liam. Jack has $\frac{1}{3}$ as many shells as Liam. How many seashells do the three boys have?

Workspace b

4. Follow the signs.

a.
$$\begin{array}{r} 7,946 \\ \times \quad 8 \\ \hline \end{array}$$

b.
$$\begin{array}{r} 1,132 \\ - \quad 981 \\ \hline \end{array}$$

c.
$$\begin{array}{r} 695 \\ + 874 \\ \hline \end{array}$$

d.
$$9 \overline{)3,717}$$

5. Write the products.

a.
$$\begin{array}{r} 972 \\ \times 31 \\ \hline \end{array}$$

b.
$$\begin{array}{r} 605 \\ \times 87 \\ \hline \end{array}$$

6. Find the average.

Circle the answer.

$$\begin{array}{r} 6,842 \\ 2,136 \end{array}$$

7. Write the value of each circled digit.

a. 396,510

b. 84,172

c. 1,957

d. 102,118,205



Any whole number greater than 1 that can be divided evenly by numbers other than 1 or itself is a composite number. Circle the composite numbers. 1, 2, 4, 5, 8, 12, 13

Homework

1. Write the answers.

a. 1 yd. = _____ in.

b. 1 mi. = _____ ft.

c. 1 yr. = _____ mo.

d. 1 pt. = _____ c.

e. 1 bu. = _____ pk.

f. 1 lb. = _____ oz.

2. Solve the measurement equation.

8 hr. - 40 min. = _____ min.

If you live in the Southern Hemisphere, look for the Southern Cross in the night sky.



1. Solve the story problems.

- a. How much would 48 feet and 14 yards of wood cost at \$.89 per yard? _____
- b. Jackson's arithmetic test grades are 94, 88, 90, and 96. What is the average grade for his arithmetic tests? _____



The constellation Orion is mentioned several times in the Bible.

Workspace a

Workspace b

2. Write the products.

a.
$$\begin{array}{r} 38 \\ \times 29 \\ \hline \end{array}$$

b.
$$\begin{array}{r} 13 \\ \times 27 \\ \hline \end{array}$$

c.
$$\begin{array}{r} 275 \\ \times 32 \\ \hline \end{array}$$

d.
$$\begin{array}{r} 464 \\ \times 83 \\ \hline \end{array}$$

3. Write the values. Find the amount.

a.
$$\begin{array}{l} 4 \text{ quarters} = \$ \quad . \\ 2 \text{ nickels} = \underline{\quad} . \end{array}$$

b.
$$\begin{array}{l} 1 \text{ half-dollar} = \$ \quad . \\ 3 \text{ dimes} = \quad . \\ 4 \text{ pennies} = \underline{\quad} . \end{array}$$

c.
$$\begin{array}{l} 7 \text{ nickels} = \$ \quad . \\ 6 \text{ quarters} = \underline{\quad} . \end{array}$$

d.
$$\begin{array}{l} 10 \text{ }  = \$ \quad . \\ 3 \text{ quarters} = \underline{\quad} . \end{array}$$

4. Write the answers.

a. $\frac{4}{12} + \frac{3}{12} - \frac{6}{12} + \frac{4}{12} =$ _____

b. $\frac{11}{16} - \frac{7}{16} - \frac{2}{16} + \frac{7}{16} =$ _____

c.
$$\begin{array}{r} 41 \frac{2}{7} \\ + 87 \frac{3}{7} \\ \hline \end{array}$$

d.
$$\begin{array}{r} 306 \frac{4}{11} \\ - 189 \frac{3}{11} \\ \hline \end{array}$$

e.
$$\begin{array}{r} 600 \frac{12}{13} \\ - 195 \frac{8}{13} \\ \hline \end{array}$$

f. $\frac{1}{5}$ of 25 = _____

g. $\frac{1}{2}$ of 17 = _____

h. $\frac{1}{3}$ of 15 = _____

5. Divide and check.

a. $9 \overline{) 3,717}$ check

b. $8 \overline{) 2,408}$ check

6. Write the missing terms.

a. _____ $\times 7 = 49$

b. $8 \times$ _____ $= 64$

c. $9 \times 9 =$ _____

d. $10 \times$ _____ $= 100$

e. _____ $\times 11 = 121$

f. $12 \times 12 =$ _____

g. $72 \div$ _____ $= 12$

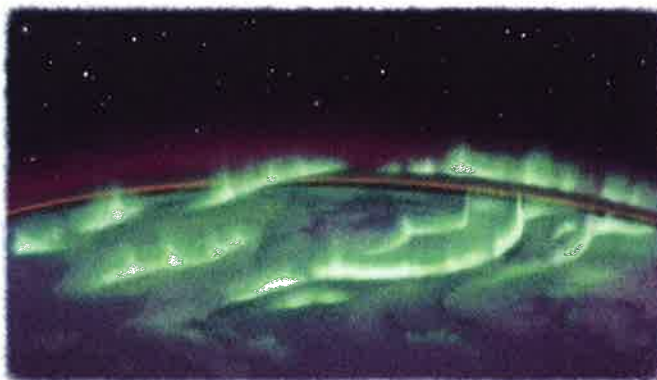
h. $36 \div$ _____ $= 6$

i. _____ $\div 6 = 9$

j. $42 \div 7 =$ _____

k. _____ $\div 7 = 9$

l. $77 \div$ _____ $= 11$



Aurora

Name _____

Date _____

1. Solve the story problems.

- a. The Golden Yolk Egg Farm sells eggs. They pack 144 eggs into each large box. How many dozen eggs are in each large box?

- b. In the rose garden there are 73 red roses, $\frac{1}{3}$ as many yellow roses as white roses, 89 pink roses, and 42 white roses. How many roses are in the garden? _____

Workspace a

Workspace b

2. Follow the signs.

$$\begin{array}{r} \text{a. } 6,795 \\ 8,324 \\ +7,682 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b. } \$32.29 \\ -16.87 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c. } 3,213 \frac{4}{11} \\ -972 \frac{2}{11} \\ \hline \end{array}$$

$$\begin{array}{r} \text{d. } 4,354 \\ \times 9 \\ \hline \end{array}$$

3. Write the products.

$$\begin{array}{r} \text{a. } 47 \\ \times 23 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b. } 679 \\ \times 18 \\ \hline \end{array}$$

4. Divide and check.

$$6 \overline{)5,321} \quad \text{check}$$

5. Find the fractional part.

$$\text{a. } \frac{1}{5} \text{ of } 37 = \underline{\hspace{2cm}}$$

$$\text{b. } \frac{1}{8} \text{ of } 57 = \underline{\hspace{2cm}}$$

$$\text{c. } \frac{1}{4} \text{ of } 24 = \underline{\hspace{2cm}}$$

$$\text{d. } \frac{1}{9} \text{ of } 81 = \underline{\hspace{2cm}}$$

$$\text{e. } \frac{1}{2} \text{ of } 17 = \underline{\hspace{2cm}}$$

$$\text{f. } \frac{1}{8} \text{ of } 64 = \underline{\hspace{2cm}}$$

6. Reduce to lowest terms.

a. $\frac{4}{10} = \underline{\hspace{2cm}}$

b. $\frac{10}{12} = \underline{\hspace{2cm}}$

c. $\frac{6}{10} = \underline{\hspace{2cm}}$

d. $\frac{5}{15} = \underline{\hspace{2cm}}$

7. Write the Arabic number.

a. XXIV =

b. XXXIX =

c. XLVI =

d. LXIII =

e. CLV =

f. MDCLII =

8. Write the values. Find the amount.

a. 2 quarters = \$.
3 nickels = .
7 pennies = +

b. 2 half-dollars = \$.
1 quarter = .
4 dimes = +



At Orion's heels is his faithful companion, the Big Dog.

Homework

1. Write the $12 \div$ table on a separate piece of paper.

2. Multiply each number by 10.

a. 4

b. 19

c. 25

d. 30

3. Find the average.
Circle the answer.

93
57
83
95

4. Divide and write the remainder
as a fraction.

a. $7 \overline{)48}$

b. $9 \overline{)56}$

c. $4 \overline{)25}$

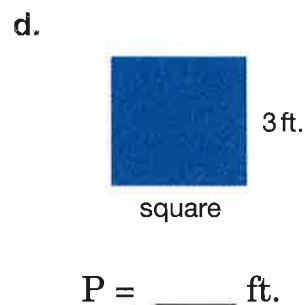
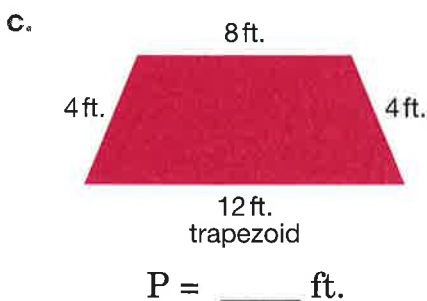
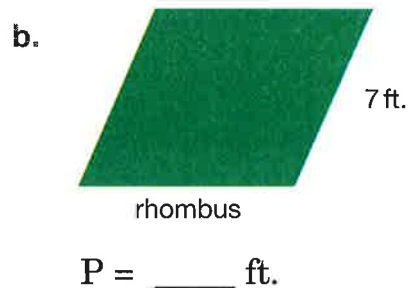
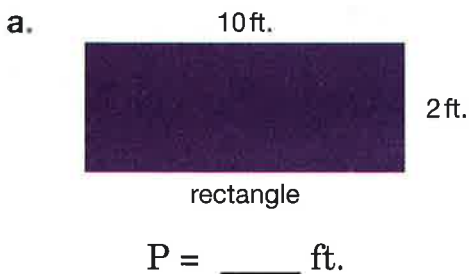
1. Circle any incorrect products. Write the correct product in the blank.

- | | |
|-------------------------------|-------------------------------|
| a. $12 \times 9 = 108$ _____ | b. $12 \times 11 = 121$ _____ |
| c. $11 \times 11 = 110$ _____ | d. $12 \times 8 = 88$ _____ |
| e. $11 \times 12 = 121$ _____ | f. $12 \times 12 = 144$ _____ |
| g. $11 \times 10 = 110$ _____ | h. $11 \times 6 = 66$ _____ |
| i. $10 \times 10 = 110$ _____ | j. $12 \times 3 = 63$ _____ |
| k. $11 \times 4 = 44$ _____ | l. $12 \times 5 = 72$ _____ |
| m. $12 \times 10 = 121$ _____ | n. $12 \times 7 = 84$ _____ |
| o. $12 \times 4 = 84$ _____ | p. $11 \times 3 = 33$ _____ |



Apollo Lunar Module landing

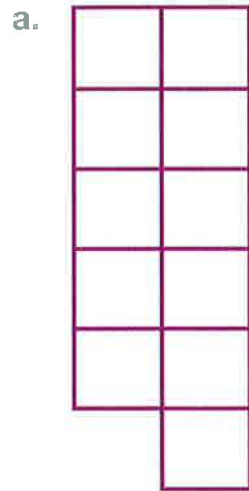
2. Find the perimeters.



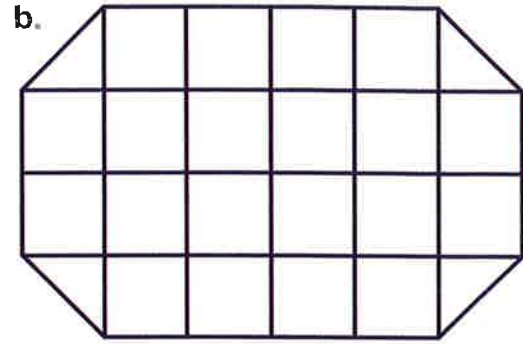
3. Color $\frac{1}{3}$ of the stars yellow. Color $\frac{2}{3}$ of the stars orange.



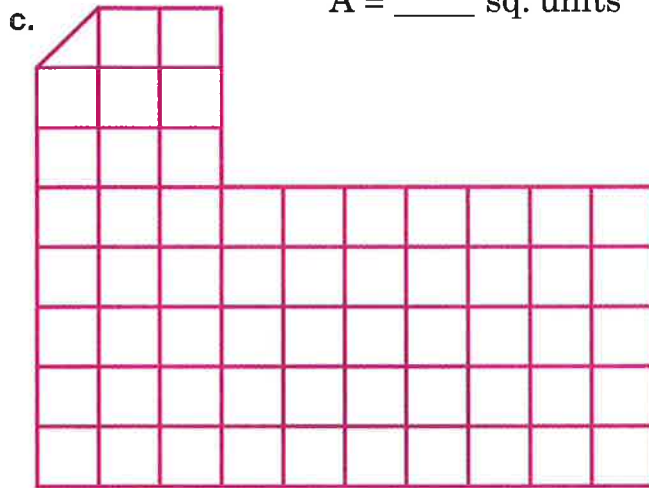
4. Find the area of each figure. Then color the square units to make a pattern of your choice.



A = _____ sq. units



A = _____ sq. units



A = _____ sq. units



The brightest star in the night sky is Sirius, the Dog Star. It is located in the constellation Big Dog.

5. Use your ruler to draw a figure whose area is 12 sq. units.

1. Follow the signs.

a.
$$\begin{array}{r} 6,734 \\ 9,053 \\ +8,951 \\ \hline \end{array}$$

b.
$$\begin{array}{r} 3,429 \\ -1,806 \\ \hline \end{array}$$

c.
$$\begin{array}{r} 6,975 \\ \times 8 \\ \hline \end{array}$$

d.
$$\begin{array}{r} 1,986 \\ \times 7 \\ \hline \end{array}$$

e.
$$\begin{array}{r} 93 \\ \times 72 \\ \hline \end{array}$$

f.
$$\begin{array}{r} 68 \\ \times 45 \\ \hline \end{array}$$

g.
$$52 \overline{)559}$$

h.
$$30 \overline{)630}$$

2. Solve the story problem.

The library has 24 books about Thomas Edison. Liam's teacher asked him to bring them to the classroom. If Liam brings 6 books at a time, how many trips must he make to the library? _____

3. Solve the measurement equation.

$2 \text{ mi.} + 70 \text{ ft.} = \text{_____ ft.}$

5. Write > or <.

a. XX VII

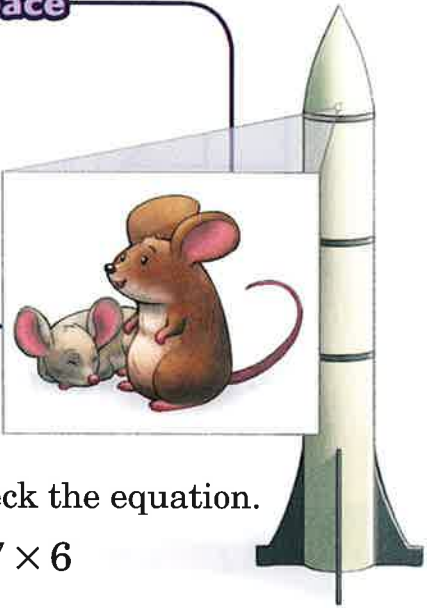
b. C M

c. L V

d. C L

Workspace

The first living creatures sent into space by the U.S. were two mice.



4. Solve and check the equation.

$$n - 7 = 7 \times 6$$

6. Solve these fraction problems.

a. $\frac{2}{11} + \frac{5}{11} - \frac{4}{11} + \frac{6}{11} =$ _____

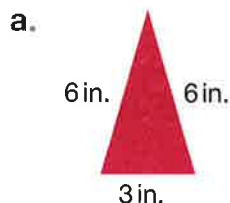
b. $\frac{12}{13} - \frac{2}{13} - \frac{5}{13} + \frac{4}{13} =$ _____

c. $\frac{1}{5}$ of 36 = _____

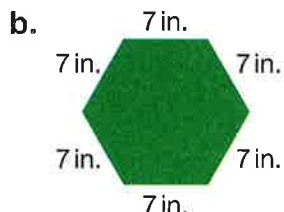
d. $\frac{1}{8}$ of 83 = _____

e. $\frac{1}{10}$ of 110 = _____

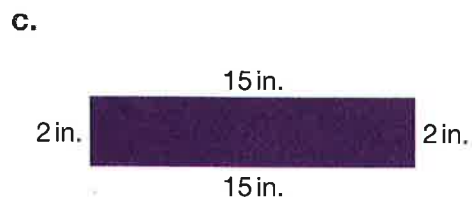
7. Find the perimeters.



P = _____ in.

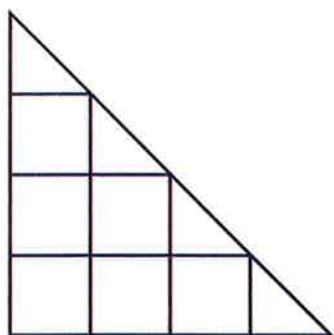


P = _____ in.



P = _____ in.

8. Find the area.



A = _____ sq. units

9. Write *true* or *false* in the blank.

a. 6 ft. is longer than 2 yd. _____

b. 2 gal. is larger than 6 qt. _____

c. 100 in. is longer than 100 cm. _____

d. 2 tons is heavier than 2,000 lb. _____

e. 18 eggs is more than 1 doz. eggs _____



If the temperature was 85°F, what would you wear?

Homework

1. Write the 9÷ table on a separate piece of paper.

2. Divide and check.

$$8 \overline{) 7,393}$$

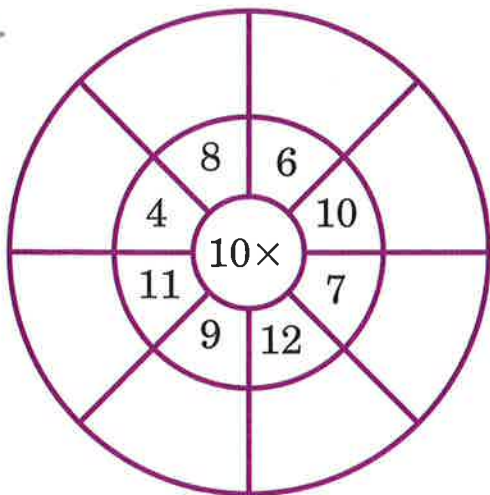
check

3. Find the average. Circle the answer.

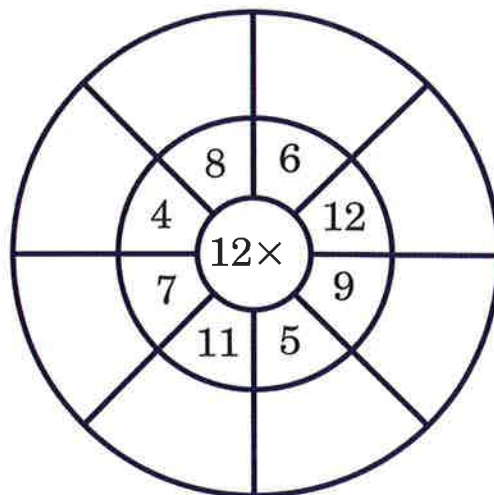
27
36
49
18
55

1. Write the products.

a.



b.



2. Measure the lines to the nearest half inch.

a.



$$\overline{AB} = \underline{\hspace{1cm}} \text{ in.}$$

b.



$$\overline{CD} = \underline{\hspace{1cm}} \text{ in.}$$

c.



$$\overline{EF} = \underline{\hspace{1cm}} \text{ in.}$$

d.



$$\overline{GH} = \underline{\hspace{1cm}} \text{ in.}$$

3. Use your ruler to draw lines to these lengths.

a. 6 cm ●

b. 14 cm ●

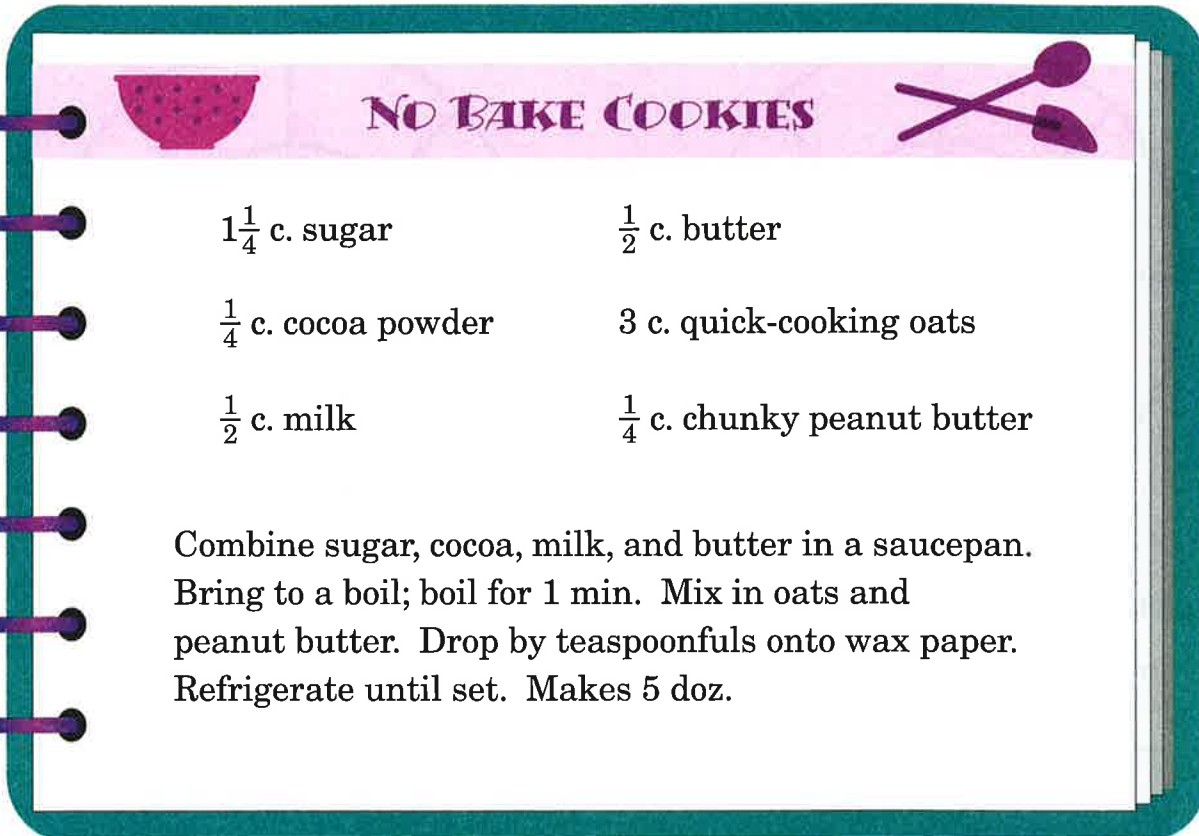
c. 1 cm ●

d. 8 cm ●

The term "astronaut" comes from two Greek words that mean "star" and "sailor."



4. Read the recipe. Circle the mixed numbers, box the fractions, and underline the whole numbers. Then answer the questions about the recipe.



The recipe card is titled "NO BAKE COOKIES" and features a pink background with a bowl of cookies on the left and crossed spoons on the right. The ingredients are listed in two columns:

$1\frac{1}{4}$ c. sugar	$\frac{1}{2}$ c. butter
$\frac{1}{4}$ c. cocoa powder	3 c. quick-cooking oats
$\frac{1}{2}$ c. milk	$\frac{1}{4}$ c. chunky peanut butter

Combine sugar, cocoa, milk, and butter in a saucepan. Bring to a boil; boil for 1 min. Mix in oats and peanut butter. Drop by teaspoonfuls onto wax paper. Refrigerate until set. Makes 5 doz.

- Does this recipe call for more butter or peanut butter? _____
- Does the recipe call for more sugar or oats? _____
- How many seconds should the mixture boil? _____
- About how many cookies does the recipe make? _____
- How many minutes must you refrigerate the cookies? _____

- What do you think the c. stands for? _____



Name _____

Date _____

1. Follow the signs.

a.
$$\begin{array}{r} \$67.21 \\ +87.56 \\ \hline \end{array}$$

b.
$$\begin{array}{r} 972 \\ 856 \\ +229 \\ \hline \end{array}$$

c.
$$\begin{array}{r} 1,132 \\ -864 \\ \hline \end{array}$$

d.
$$\begin{array}{r} \$81.07 \\ -19.99 \\ \hline \end{array}$$

2. Write the products.

a.
$$\begin{array}{r} 67 \\ \times 84 \\ \hline \end{array}$$

b.
$$\begin{array}{r} 342 \\ \times 25 \\ \hline \end{array}$$

c.
$$\begin{array}{r} 1,602 \\ \times 13 \\ \hline \end{array}$$



In space, astronauts eat tortillas instead of bread to avoid crumbs floating everywhere.

3. Divide and check.

a.
$$8 \overline{)3,928}$$
 check

b.
$$23 \overline{)999}$$
 check

4. Round to the nearest dollar.

a. \$125.79 _____

b. \$2,651.40 _____

c. \$.99 _____

d. \$9.99 _____

e. \$99.99 _____

5. Use the table to construct a pictograph about favorite vacation places of third graders. Be sure to include a title, labels, and a scale.

Places	Chosen by
Beach	14
Caverns	5
Mountains	10
Theme Parks	12
Woods	10
Summer Camp	17

_____ (Title)

scale



= _____

- Which vacation destination was chosen the most? _____
- Which was chose the least? _____
- Which two destinations received an equal number of votes?
_____ and _____
- How many more people chose theme parks than mountains? _____
- How many more people chose the favorite destination compared to the second favorite? _____
- Which vacation destination would be your top choice? _____



1. Solve the story problems.

a. Mrs. Wheeler made 48 sugar cookies, 30 peanut butter cookies, and 3 times as many chocolate chip cookies as peanut butter cookies. How many cookies did she make in all? _____

b. If Mrs. Wheeler puts 1 doz. of her cookies in each box, how many boxes does she need for all the cookies? _____

Workspace a

Workspace b

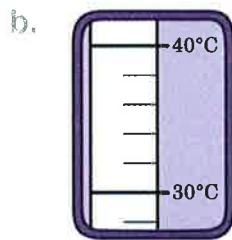
2. Write the answers.

- | | | | |
|---------------------------|------------------------|-------------------------|-------------------------|
| a. $9 + 9 =$ _____ | b. $12 - 5 =$ _____ | c. $7 \times 7 =$ _____ | d. $42 \div 6 =$ _____ |
| e. $12 \times 11 =$ _____ | f. $7 + 8 =$ _____ | g. $54 \div 6 =$ _____ | h. $11 - 2 =$ _____ |
| i. $15 - 9 =$ _____ | j. $28 \div 4 =$ _____ | k. $12 + 6 =$ _____ | l. $8 \times 4 =$ _____ |
| m. $2 + 12 =$ _____ | n. $14 - 8 =$ _____ | o. $9 \times 5 =$ _____ | p. $96 \div 8 =$ _____ |

3. Set the thermometers and write the temperatures.



Freezing point of water



Normal body temperature



cosmos

4. Circle the smaller measure.

- a. ounce, gram
- b. pint, peck
- c. quart, bushel
- d. meter, yard
- e. liter, quart

5. Follow the signs.

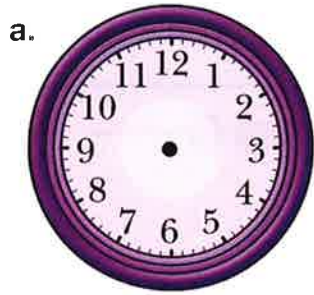
a. $76 + 25 =$ _____

b. $\$11.81 + \$7.00 =$ _____

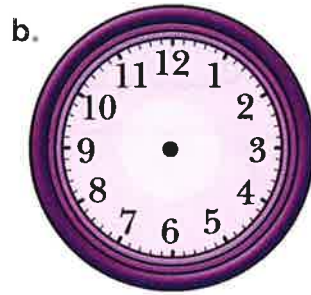
c. $34 - 20 =$ _____

d. $483 - 104 =$ _____

6. Set the clocks and write the times.



15 min. **after** 5:10



15 min. **before** 5:10

7. Reduce these fractions.

a. $\frac{9}{36} =$ _____

b. $\frac{9}{15} =$ _____

c. $\frac{8}{32} =$ _____

d. $\frac{8}{20} =$ _____

8. Find the averages. Circle the answers.

a. 134, 629, 314

b. $\frac{97 + 83 + 79 + 84 + 89 + 90}{6}$

9. Write the Roman numeral.

a. 100 = _____

b. 50 = _____

c. 1,000 = _____

d. 500 = _____

e. 90 = _____

f. 60 = _____

g. 2,000 = _____

h. 400 = _____



nebula

Name _____

Date _____

Subtraction with Borrowing

Two-Digit Subtraction

1.
$$\begin{array}{r} 20 \\ - 7 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 80 \\ - 21 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 50 \\ - 16 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 40 \\ - 38 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 90 \\ - 76 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 30 \\ - 19 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 32 \\ - 14 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 56 \\ - 37 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 41 \\ - 33 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 82 \\ - 56 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 73 \\ - 45 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 65 \\ - 28 \\ \hline \end{array}$$

Three-Digit Subtraction

13.
$$\begin{array}{r} 100 \\ - 69 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 700 \\ - 251 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 400 \\ - 309 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 600 \\ - 58 \\ \hline \end{array}$$

17.
$$\begin{array}{r} 900 \\ - 630 \\ \hline \end{array}$$

18.
$$\begin{array}{r} 203 \\ - 58 \\ \hline \end{array}$$

19.
$$\begin{array}{r} 651 \\ - 275 \\ \hline \end{array}$$

20.
$$\begin{array}{r} 831 \\ - 488 \\ \hline \end{array}$$

21.
$$\begin{array}{r} 216 \\ - 99 \\ \hline \end{array}$$

22.
$$\begin{array}{r} 405 \\ - 109 \\ \hline \end{array}$$

Four-Digit Subtraction

23.
$$\begin{array}{r} 3,000 \\ - 2,821 \\ \hline \end{array}$$

24.
$$\begin{array}{r} 8,000 \\ - 1,006 \\ \hline \end{array}$$

25.
$$\begin{array}{r} 7,000 \\ - 988 \\ \hline \end{array}$$

26.
$$\begin{array}{r} 2,000 \\ - 1,999 \\ \hline \end{array}$$

27.
$$\begin{array}{r} 6,000 \\ - 255 \\ \hline \end{array}$$

28.
$$\begin{array}{r} 6,203 \\ - 1,624 \\ \hline \end{array}$$

29.
$$\begin{array}{r} 1,090 \\ - 988 \\ \hline \end{array}$$

30.
$$\begin{array}{r} 5,831 \\ - 2,842 \\ \hline \end{array}$$

31.
$$\begin{array}{r} 9,005 \\ - 3,108 \\ \hline \end{array}$$

32.
$$\begin{array}{r} 4,251 \\ - 2,259 \\ \hline \end{array}$$

33.
$$\begin{array}{r} \$50.00 \\ - 6.95 \\ \hline \end{array}$$

34.
$$\begin{array}{r} \$29.88 \\ - 17.99 \\ \hline \end{array}$$

35.
$$\begin{array}{r} \$40.50 \\ - 21.85 \\ \hline \end{array}$$

36.
$$\begin{array}{r} \$44.00 \\ - 37.95 \\ \hline \end{array}$$

Addition and Subtraction Practice

Mark the \bigcirc under the best answer. If the answer is not here, mark under NH.

1.

$$\begin{array}{r} 58 \\ + 9 \\ \hline \end{array}$$

- 57 67 68 NH
 \bigcirc \bigcirc \bigcirc \bigcirc

2.

$$71 + 32 =$$

- 93 83 113 NH
 \bigcirc \bigcirc \bigcirc \bigcirc

3.

$$\begin{array}{r} 46 \\ + 32 \\ \hline \end{array}$$

- 78 88 74 NH
 \bigcirc \bigcirc \bigcirc \bigcirc

4.

$$\begin{array}{r} 578 \\ 28 \\ + 452 \\ \hline \end{array}$$

- \bigcirc 2,068
 \bigcirc 1,158
 \bigcirc 1,058
 \bigcirc NH

5.

$$\begin{array}{r} 43 \\ - 7 \\ \hline \end{array}$$

- 34 37 44 NH
 \bigcirc \bigcirc \bigcirc \bigcirc

6.

$$\begin{array}{r} 52 \\ - 17 \\ \hline \end{array}$$

- 35 45 46 NH
 \bigcirc \bigcirc \bigcirc \bigcirc

7.

$$82 - 48 =$$

- 130 46 36 NH
 \bigcirc \bigcirc \bigcirc \bigcirc

8.

$$\begin{array}{r} 51 \\ - 48 \\ \hline \end{array}$$

- 13 17 3 NH
 \bigcirc \bigcirc \bigcirc \bigcirc

9.

$$\begin{array}{r} 400 \\ - 126 \\ \hline \end{array}$$

- 274 526 346 NH
 \bigcirc \bigcirc \bigcirc \bigcirc

10.

$$\begin{array}{r} 503 \\ - 75 \\ \hline \end{array}$$

- 472 578 427 NH
 \bigcirc \bigcirc \bigcirc \bigcirc

Name _____

Date _____

Multiplication Fact Challenge

- | | A | B | C | D | E | F | G | H | I |
|----|---|--|--|--|---|--|--|---|---|
| 1. | $\begin{array}{r} 6 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$ | $\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$ | $\begin{array}{r} 6 \\ \times 9 \\ \hline \end{array}$ | $\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$ | $\begin{array}{r} 11 \\ \times 9 \\ \hline \end{array}$ | $\begin{array}{r} 2 \\ \times 9 \\ \hline \end{array}$ | $\begin{array}{r} 8 \\ \times 3 \\ \hline \end{array}$ | $\begin{array}{r} 10 \\ \times 6 \\ \hline \end{array}$ |
| 2. | $\begin{array}{r} 12 \\ \times 9 \\ \hline \end{array}$ | $\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$ | $\begin{array}{r} 2 \\ \times 12 \\ \hline \end{array}$ | $\begin{array}{r} 11 \\ \times 11 \\ \hline \end{array}$ | $\begin{array}{r} 7 \\ \times 3 \\ \hline \end{array}$ | $\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 10 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 6 \\ \times 12 \\ \hline \end{array}$ | $\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$ |
| 3. | $\begin{array}{r} 8 \\ \times 6 \\ \hline \end{array}$ | $\begin{array}{r} 6 \\ \times 3 \\ \hline \end{array}$ | $\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$ | $\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 11 \\ \times 6 \\ \hline \end{array}$ | $\begin{array}{r} 9 \\ \times 10 \\ \hline \end{array}$ | $\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$ | $\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$ | $\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$ |
| 4. | $\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$ | $\begin{array}{r} 10 \\ \times 12 \\ \hline \end{array}$ | $\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$ | $\begin{array}{r} 4 \\ \times 12 \\ \hline \end{array}$ | $\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$ | $\begin{array}{r} 11 \\ \times 12 \\ \hline \end{array}$ | $\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$ | $\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$ |
| 5. | $\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$ | $\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$ | $\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$ | $\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$ | $\begin{array}{r} 12 \\ \times 11 \\ \hline \end{array}$ | $\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$ | $\begin{array}{r} 7 \\ \times 12 \\ \hline \end{array}$ | $\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$ |
| 6. | $\begin{array}{r} 9 \\ \times 12 \\ \hline \end{array}$ | $\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$ | $\begin{array}{r} 6 \\ \times 7 \\ \hline \end{array}$ | $\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$ | $\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$ | $\begin{array}{r} 11 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 10 \\ \times 8 \\ \hline \end{array}$ | $\begin{array}{r} 8 \\ \times 9 \\ \hline \end{array}$ | $\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$ |
| 7. | $\begin{array}{r} 4 \\ \times 9 \\ \hline \end{array}$ | $\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$ | $\begin{array}{r} 5 \\ \times 12 \\ \hline \end{array}$ | $\begin{array}{r} 10 \\ \times 4 \\ \hline \end{array}$ | $\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$ | $\begin{array}{r} 12 \\ \times 12 \\ \hline \end{array}$ | $\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$ | $\begin{array}{r} 8 \\ \times 12 \\ \hline \end{array}$ | $\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array}$ |
| 8. | $\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$ | $\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$ | $\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$ | $\begin{array}{r} 12 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$ | $\begin{array}{r} 10 \\ \times 3 \\ \hline \end{array}$ | $\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$ | $\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$ | $\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$ |

Multiplication Practice

Mark the \bigcirc under the best answer. If the answer is not here, mark under NH.

1.

$$7 \times 8 =$$

54 56 63 NH
 \bigcirc \bigcirc \bigcirc \bigcirc

2.

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

64 74 80 NH
 \bigcirc \bigcirc \bigcirc \bigcirc

3.

$$4 \times 82 =$$

86 328 78 NH
 \bigcirc \bigcirc \bigcirc \bigcirc

4.

$$\begin{array}{r} 56 \\ \times 4 \\ \hline \end{array}$$

224 242 248 NH
 \bigcirc \bigcirc \bigcirc \bigcirc

5.

$$\underline{\quad} \times 8 = 64$$

6 7 8 NH
 \bigcirc \bigcirc \bigcirc \bigcirc

6.

$$9 \times 47 =$$

424 56 396 NH
 \bigcirc \bigcirc \bigcirc \bigcirc

7.

$$\begin{array}{r} 307 \\ \times 5 \\ \hline \end{array}$$

185 1,535 1,553 NH
 \bigcirc \bigcirc \bigcirc \bigcirc

8.

$$5 \times 411 =$$

2,055 5,520 2,005 NH
 \bigcirc \bigcirc \bigcirc \bigcirc

9.

$$7 \times \underline{\quad} = 56$$

6 9 10 NH
 \bigcirc \bigcirc \bigcirc \bigcirc

10.

$$4 \times 26 =$$

14 104 1,004 NH
 \bigcirc \bigcirc \bigcirc \bigcirc

Division and Time

Mark the ○ under the best answer. If the answer is not here, mark under NH.

1.

$$56 \div 7 =$$

- 6 7 8 NH

2.

$$9 \overline{)54}$$

- 7 8 9 NH

3.

$$3 \overline{)21}$$

- 4 5 6 NH

4.

$$4 \overline{)48}$$

- 10 12 14 NH

5.

$$7 \overline{)91}$$

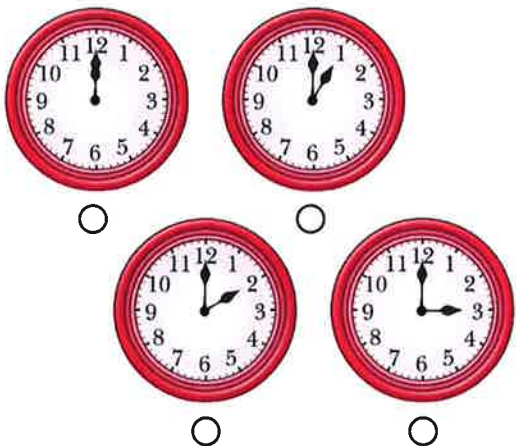
- 9 11 13 NH

6.

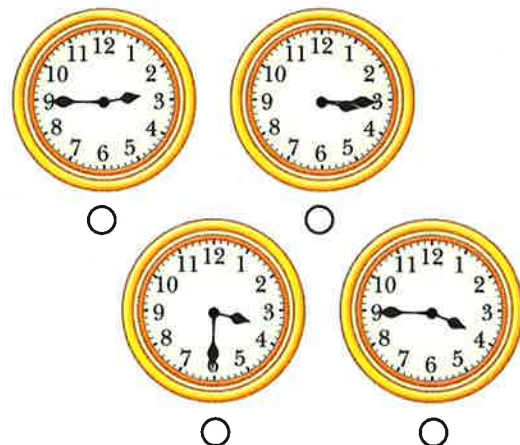
$$6 \overline{)27}$$

- 3 r.3 4 4 r.2 NH

7. Ashley went to the zoo with her Sunday school class. She left at 9:00 and came home five hours later. Mark the ○ under the clock that shows what time she came home.

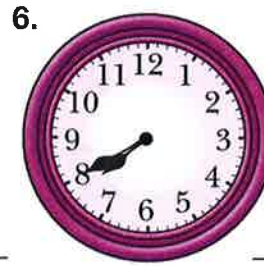
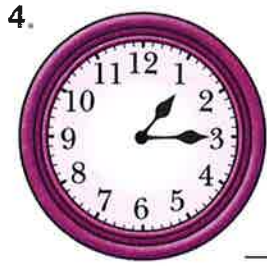
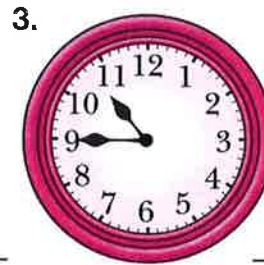
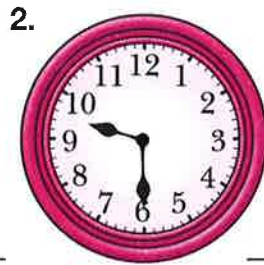
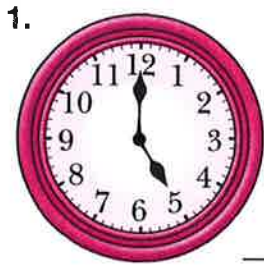


8. D.J. and his dad rode their dirt bikes on the mountain trail along the river. They left the campsite at 2:15 and came back an hour and a half later. Mark the ○ under the clock that shows what time they returned.

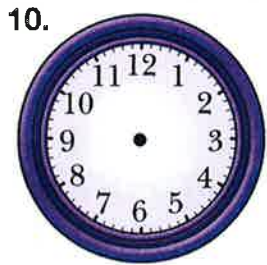


Telling Time

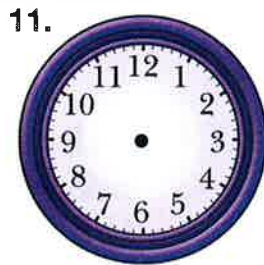
Write the time.



Set the clocks to the correct times.



9:00



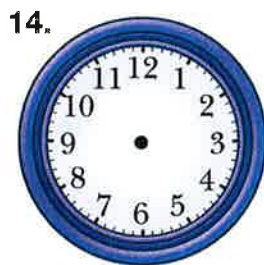
8:30



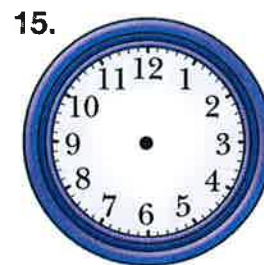
4:15



7:05

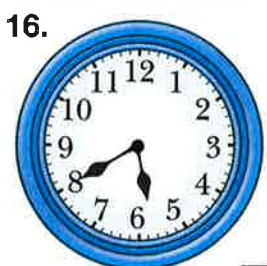


11:20



6:10

Write the time for one hour later.



Name _____

Date _____

Averaging

1.

Grades

82
90
93
78
87

2.

Inches – in.

9
8
5
11
6
9

3.

Temperatures

73°
68°
79°
72°

4.

Prices

\$4.50
2.95
6.75
3.80
5.45

5.

Miles – mi.

372
546
729
253
649
781

6.

Pounds – lb.

55
23
41
72
38
53

7.

Years – yr.

8
9
8
9
7
8
9
6

8.

Books

103
92
73
125
62

9.

Gallons – gal.

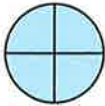





27
53
16
34
38
28
43
49

Fraction Fun




Mark the \bigcirc under the fractions. Circle the denominator in each fraction.

1. $\frac{3}{7}$ 2. 4 3. 13 4. $\frac{1}{5}$ 5. 780 6. $\frac{3}{4}$ 7. $\frac{5}{9}$ 8. 102
- \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc

Match the denominators.

9. $\frac{1}{2}$  fourths
10. $\frac{1}{3}$  sixths
11. $\frac{1}{4}$  halves
12. $\frac{1}{5}$  fifths
13. $\frac{1}{6}$  thirds
14. $\frac{1}{7}$  sevenths

Write the fraction for the part that is shaded.

15.  _____
16.  _____
17.  _____

Write the fractions.

18. one-fourth 19. three-fifths
- _____

20. two-ninths 21. five-sevenths
- _____

Write the fraction to show what part the bananas are of the group.

22.  _____ bananas in all

23.  _____ bananas in all

Mark the \bigcirc under the unit fraction that is greater.

24. $\frac{1}{5}$ or $\frac{1}{7}$ 25. $\frac{1}{9}$ or $\frac{1}{3}$ 26. $\frac{1}{4}$ or $\frac{1}{2}$
- \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc

Name _____

Date _____

Fractional Part of a Whole Number

Find the fractional part of each number.

1. $\frac{1}{2}$ of 10 = _____

2. $\frac{1}{5}$ of 25 = _____

3. $\frac{1}{3}$ of 15 = _____

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

5. $\frac{1}{4}$ of 32 = _____

6. $\frac{1}{6}$ of 36 = _____

7. $\frac{1}{5}$ of 40 = _____

8. $\frac{1}{6}$ of 24 = _____

9. $\frac{1}{4}$ of 36 = _____

10. $\frac{1}{3}$ of 27 = _____

11. $\frac{1}{2}$ of 16 = _____

12. $\frac{1}{5}$ of 30 = _____

13. $\frac{1}{4}$ of 28 = _____

14. $\frac{1}{3}$ of 21 = _____

15. $\frac{1}{6}$ of 54 = _____

16. $\frac{1}{8}$ of 56 = _____

17. $\frac{1}{7}$ of 49 = _____

18. $\frac{1}{9}$ of 63 = _____

19. $\frac{1}{2}$ of 11 = _____

20. $\frac{1}{5}$ of 32 = _____

21. $\frac{1}{8}$ of 43 = _____

22. $\frac{1}{9}$ of 82 = _____

23. $\frac{1}{3}$ of 28 = _____

24. $\frac{1}{6}$ of 35 = _____

Reducing Fractions

Reduce by dividing the numerator and denominator by 2.

1. $\frac{2}{4} = \underline{\quad}$ 2. $\frac{6}{8} = \underline{\quad}$ 3. $\frac{10}{12} = \underline{\quad}$ 4. $\frac{4}{6} = \underline{\quad}$ 5. $\frac{8}{10} = \underline{\quad}$

Reduce by dividing the numerator and denominator by 3.

6. $\frac{3}{9} = \underline{\quad}$ 7. $\frac{6}{9} = \underline{\quad}$ 8. $\frac{12}{15} = \underline{\quad}$ 9. $\frac{21}{24} = \underline{\quad}$ 10. $\frac{3}{6} = \underline{\quad}$

Reduce by dividing the numerator and denominator by 4.

11. $\frac{4}{8} = \underline{\quad}$ 12. $\frac{12}{16} = \underline{\quad}$ 13. $\frac{28}{32} = \underline{\quad}$ 14. $\frac{8}{12} = \underline{\quad}$ 15. $\frac{40}{44} = \underline{\quad}$

Reduce by dividing the numerator and denominator by 5.

16. $\frac{10}{15} = \underline{\quad}$ 17. $\frac{15}{25} = \underline{\quad}$ 18. $\frac{5}{10} = \underline{\quad}$ 19. $\frac{45}{50} = \underline{\quad}$ 20. $\frac{35}{45} = \underline{\quad}$

Reduce by dividing the numerator and denominator by 6.

21. $\frac{6}{12} = \underline{\quad}$ 22. $\frac{24}{30} = \underline{\quad}$ 23. $\frac{42}{54} = \underline{\quad}$ 24. $\frac{18}{24} = \underline{\quad}$ 25. $\frac{6}{18} = \underline{\quad}$

Reduce these fractions to lowest terms.

26. $\frac{5}{15} = \underline{\quad}$ 27. $\frac{3}{9} = \underline{\quad}$ 28. $\frac{2}{18} = \underline{\quad}$ 29. $\frac{6}{24} = \underline{\quad}$ 30. $\frac{3}{18} = \underline{\quad}$

31. $\frac{6}{30} = \underline{\quad}$ 32. $\frac{2}{20} = \underline{\quad}$ 33. $\frac{10}{30} = \underline{\quad}$ 34. $\frac{4}{10} = \underline{\quad}$ 35. $\frac{5}{25} = \underline{\quad}$

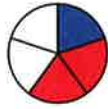
36. $\frac{12}{14} = \underline{\quad}$ 37. $\frac{3}{15} = \underline{\quad}$ 38. $\frac{3}{30} = \underline{\quad}$ 39. $\frac{2}{6} = \underline{\quad}$ 40. $\frac{3}{6} = \underline{\quad}$

41. $\frac{11}{22} = \underline{\quad}$ 42. $\frac{12}{24} = \underline{\quad}$ 43. $\frac{4}{14} = \underline{\quad}$ 44. $\frac{2}{10} = \underline{\quad}$ 45. $\frac{9}{81} = \underline{\quad}$

Adding and Subtracting Fractions

Write the sums.

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



2. $\frac{2}{9} + \frac{3}{9} =$ _____



3. $\frac{7}{12} + \frac{4}{12} =$ _____

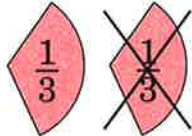
4. $\frac{5}{13} + \frac{6}{13} =$ _____

5. $\frac{4}{11} + \frac{3}{11} =$ _____

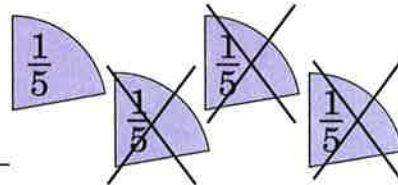
6. $\frac{9}{13} + \frac{3}{13} =$ _____

Write the differences.

7. $\frac{2}{3} - \frac{1}{3} =$ _____



8. $\frac{4}{5} - \frac{3}{5} =$ _____



9. $\frac{11}{13} - \frac{4}{13} =$ _____

10. $\frac{2}{3} - \frac{1}{3} =$ _____

11. $\frac{10}{17} - \frac{6}{17} =$ _____

12. $\frac{7}{9} - \frac{2}{9} =$ _____

Add or subtract.

13. $12\frac{7}{13} + 2\frac{4}{13} =$ _____

14. $9\frac{1}{4} + 3\frac{1}{4} =$ _____

15. $\frac{15}{19} - \frac{7}{19} + \frac{4}{19} =$ _____

16. $5\frac{1}{9} + 2\frac{1}{9} =$ _____

17. $3\frac{1}{5} + 3\frac{1}{5} =$ _____

18. $\frac{12}{13} - \frac{6}{13} + \frac{4}{13} =$ _____

19. $19\frac{7}{8} - 6\frac{2}{8} =$ _____

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

21. $\frac{3}{8} + \frac{2}{8} =$ _____

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

23. $\frac{7}{12} - \frac{2}{12} =$ _____

24. $\frac{12}{13} - \frac{6}{13} =$ _____

Equations

1. $n + 6 = 8 + 2$

2. $n + 8 = 20 + 4$

3. $n - 5 = 7 + 2$

4. $n - 7 = 16 - 2$

5. $n + 2 = 10 + 5$

6. $n - 6 = 12 + 4$

7. $n - 4 = 18 - 11$

8. $n + 5 = 17 - 2$

9. $n + 3 = 6 \times 2$

10. $n - 7 = 5 \times 4$

11. $n - 10 = 4 \times 8$

12. $n + 12 = 3 \times 9$

Story Problem Fun

1. The planet Jupiter has four large moons and twelve small moons. How many moons are there in all?
2. Jupiter rotates (spins around) in just nine hours and fifty minutes. Is this more or less than an Earth day?
3. Kylie and Karissa spent \$29.96 on a birthday gift for their dad. They shared the cost equally. How much did each girl spend?
\$13.98 \$14.98 \$24.98 NH
4. A bristlecone pine tree is 40 feet tall. A coast redwood is 368 feet tall. How much taller is the coast redwood than the bristlecone pine?
5. Ethan earned \$2.00 on Saturday morning by raking leaves. He earned \$1.50 in the afternoon by gathering firewood. How much did Ethan earn on Saturday?
6. Orville Wright's first flight covered 120 feet. Wilbur Wright's flight covered 852 feet. How many more feet did Wilbur fly than Orville?

7. Jack found four nests with five bird eggs in each nest. All of the eggs except six of them were blue. How many eggs were blue?
8. Sophia gathered three clusters of ten grapes. Eleven of the grapes were not ripe. How many grapes were ripe?
9. Mrs. Brown bought one quart of grape juice for \$1.10. How much would a gallon of grape juice cost?
10. Gideon began with thirty-two thousand men. He went to battle with only three hundred men. How many men were sent home?
11. Jamestown was settled in 1607. The Pilgrims came to America in 1620. How many years later did the Pilgrims come to America than the settlers at Jamestown?
12. Mr. Walker bought snacks for the Eagles soccer team. He bought 36 items for the 12 players. How many snacks does each player get?
13. Lily and 2 of her friends shared 15 pencils equally. How many pencils did each child get?
- 30 13 17 5
○ ○ ○ ○



Long Division

Name: _____ # _____

- 3 digit quotient
- 4 digit dividend
- No remainder

The steps

- ÷ Divide
- x Multiply
- Subtract
- ✓ Check
- ↓ Bring down
- ↺ Repeat or
- R Remainder

EX

$$\begin{array}{r}
 769 \\
 2 \overline{) 1538} \\
 \underline{- 14} \\
 13 \\
 \underline{- 12} \\
 18 \\
 \underline{- 18} \\
 0
 \end{array}$$

A

$$\begin{array}{r}
 \\
 2 \overline{) 1754} \\
 \\
 \\
 \\
 \\
 \\
 \\
 \\
 \\

 \end{array}$$

B

$$\begin{array}{r}
 \\
 2 \overline{) 1198} \\
 \\
 \\
 \\
 \\
 \\
 \\
 \\
 \\

 \end{array}$$

C

$$\begin{array}{r}
 \\
 3 \overline{) 2664} \\
 \\
 \\
 \\
 \\
 \\
 \\
 \\
 \\

 \end{array}$$

D

$$\begin{array}{r}
 \\
 3 \overline{) 1932} \\
 \\
 \\
 \\
 \\
 \\
 \\
 \\
 \\

 \end{array}$$

E

$$\begin{array}{r}
 \\
 3 \overline{) 2067} \\
 \\
 \\
 \\
 \\
 \\
 \\
 \\
 \\

 \end{array}$$

F

$$\begin{array}{r}
 \\
 4 \overline{) 2796} \\
 \\
 \\
 \\
 \\
 \\
 \\
 \\
 \\

 \end{array}$$

G

$$\begin{array}{r}
 \\
 4 \overline{) 3528} \\
 \\
 \\
 \\
 \\
 \\
 \\
 \\
 \\

 \end{array}$$

H

$$\begin{array}{r}
 \\
 4 \overline{) 1596} \\
 \\
 \\
 \\
 \\
 \\
 \\
 \\
 \\

 \end{array}$$

I

$$\begin{array}{r}
 \\
 5 \overline{) 3735} \\
 \\
 \\
 \\
 \\
 \\
 \\
 \\
 \\

 \end{array}$$

J

$$\begin{array}{r}
 \\
 5 \overline{) 4810} \\
 \\
 \\
 \\
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 \\
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 \\
 \\

 \end{array}$$

K

$$5 \overline{) 1915}$$

**L**

$$6 \overline{) 4392}$$

**M**

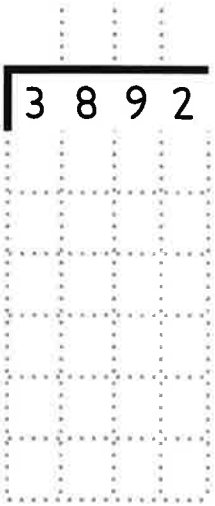
$$6 \overline{) 3438}$$

**N**

$$6 \overline{) 5226}$$

**O**

$$7 \overline{) 3892}$$

**P**

$$7 \overline{) 4396}$$

**Q**

$$8 \overline{) 6208}$$

**R**

$$8 \overline{) 5184}$$

**S**

$$8 \overline{) 2848}$$

**T**

$$9 \overline{) 4203}$$

**U**

$$9 \overline{) 8307}$$

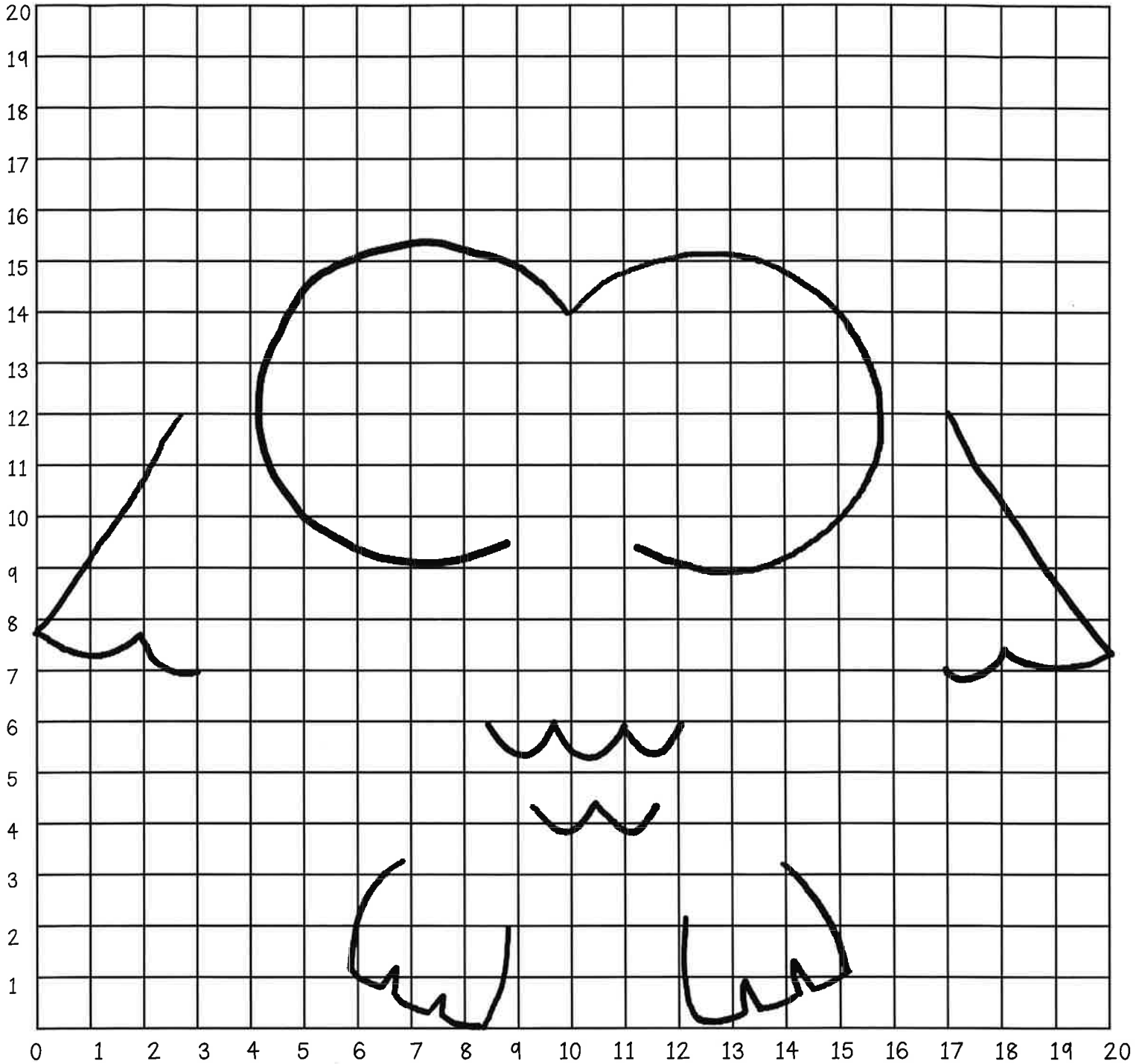
**V**

$$9 \overline{) 5814}$$



MYSTERY PICTURE #4

Use the ordered pairs to draw dots and connect them in order.
Follow the instructions on the smaller boxes.



- A (16, 18)
- B (17, 12)
- C (17, 7)
- D (15, 4)
- E (12, 2)
- F (9, 2)
- G (6, 4)
- H (3, 7)
- I (3, 12)
- J (4, 18)
- K (7, 17)
- L (10, 18)
- M (13, 17)

Connect back to (16, 18)

- New Line
- Start at (6,4)
- N (7, 6)
- O (10, 8)
- P (11, 8)
- Q (14, 6)
- Connect back to (15, 4)

- New Line
- R(9, 10)
- S(11, 10)
- T(10, 9)
- connect back to (9, 10)

Draw big dots at: (8, 12) and (12, 12)

