DIRECTIONS:

Write each product code in standard form. Then use the clues on the boxes to label each product with the correct code.



RUNNING SHOES

Tens digit is the sum of tenths digit and thousandths digit.

RUNNING SHORTS

Hundreds digit is the smallest. Tenths digit is 4.

HOODIES

RUNNING SHIRTS

Hundredths digit minus thousandths digit equals ones digit.

RUNNERS' SAFETY VESTS

Product of tens digit Tenths digit is the same as and hundredths thousandths digit.

RUNNING SOCKS

Sum of ones digit and tenths digit is 15. Product of tens digit and tenths digit is 40.

RUNNING JACKETS

digit is 10.

Product of tens digit and hundredths digit is 4.

RUNNING PANTS

Tenths digit equals hundredths digit.



- 1. fifty-seven and eighty thousandths
- 2. fifty-six and ninety-nine hundredths
- 3. fifty-seven and eight tenths
- 4. one hundred twenty-eight and five hundredths
- 5. one hundred twenty-eight and four tenths
- 6. ninety-two and eight hundred forty-one thousandths
- 7. one hundred twenty-nine and twenty-six thousandths
- 8. fifty-seven and eighty-one thousandths

Bonus Box: On the back of this page, list the standard form of the product codes in order from least to greatest.

18. four million, five thousand, fifty

19. seven million, forty thousand, one hundred

20. seven hundred twenty-six thousand, nineteen

22. four million, fifty thousand, five hundred one

23. seven million, four hundred thousand, one

21. twenty-three thousand, seven hundred sixty-eight

24. seven hundred twenty-seven thousand, thirty-six



THE MAILBOX 37



Confused Robot

Which ones are right?

Read each direction.

Perform the move with each letter, one at a time, in the given word.

Cut out the letters below if you need help. Circle the correct answer.

- 1. Rotate 90° clockwise: MOO.
 - a. **≤** 0 0
 - b. WOO
 - c. ≥00

- 2. Reflect right: TOM.
 - a. ⊢ O ≥
 - b. TOM
 - c. LOW

- 3. Reflect down: MAD.
 - a. ≥∢∩
 - b. **≤** ≥ □
 - c. WAD

- 4. Rotate 180° clockwise: SOAP.
 - a. SOVd
 - PAOS .d
 - c. SOAP

- 5. Rotate 270° clockwise: REST.
 - a. III S I
 - b. HBSI
 - с. ЖШЯН

- 6. Reflect left: MIT.
 - a. WII
 - b. MIT
 - c. **≤** ¬ ¬

Bonus Box: Which word(s) did not change after the move?

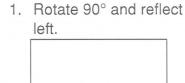
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MOTADSPREI

Cut out the boxes and coin below.

Fold the coin along the dotted line. Glue the back sides together. Use the coin to solve the problems. All rotations are clockwise. Glue the drawing that shows how each move ends in the space provided.

Starting position of coin for problems 1–6: (3)



4. Translate down.

2.	Reflect down and
	translate right.

translate	right.

2.	Reflect down and	
	translate right.	_

nect down and	٥.
nslate right.	





Robbie's Secret

6.	Rotate 270° and reflect left.





8. Rotate 90° and reflect

up			

9. Translate down and reflect down

1		

 Rotate 90° and reflect
 Reflect right and left.



translate	up.	

12. Rotate 270° and translate

Robbie held a glass above his head and then dropped it without spilling any water. What was his secret?

To find out, write the letter of each drawing above in the matching numbered blank below.

	1 2 5		©The Mailb	ox® • TEC	44026 • Aug./Sept. 2006 • Ke		10 11 1
A	SERTY TOPO TOPO TOPO TOPO TOPO TOPO TOPO TO	W	111381	Т	1989 1989 1989 1989 1989	Е	
L		Р		N		Υ	
I	OF HE STATE OF THE	S	THE PARTY OF THE P	G		M	



5

The Earth Day Way

Write each fraction in simplest form.

$$=\frac{9}{72}$$

2.
$$6\frac{4}{8} =$$
 (A)

3.
$$3\frac{12}{16} =$$
 (S)































 \equiv

II

8 39

5

П

12

4.







 ∞

(E)

П

4 3

7





10.

2

11

9 2

6



(0)

 $2\frac{6}{16} = \frac{1}{16}$

Ξ.







What can people do to make every day Earth Day?

To answer the question, write the letter of each problem above in its matching answer blank below. -10 010 -In NIW ω|4 Y and 238 54 42 **−**|0 4217 215 62 814

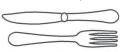
-10

Vacation on the Go!

Plan a family trip to two theme parks. Spend less than \$400. Include a two-night hotel stay and two meals per day.

Family Meal Deals

(Meal Deals include drinks and side items.)



- Pizza Dinner \$26.80
- Hamburgers \$22.50
- Steak Feast \$57.60

3333333333333333

Weekend Getaway

Day One

Park: _____ Cost: \$_____

 Lunch:
 Cost: \$_____

 Dinner:
 Cost: \$_____

Hotel: Cost: \$____

Day Two

Park: _____ Cost: \$_____

Lunch: _____ Cost: \$___

Dinner: _____ Cost: \$_____ Hotel: ____ Cost: \$_____

Total Cost: \$

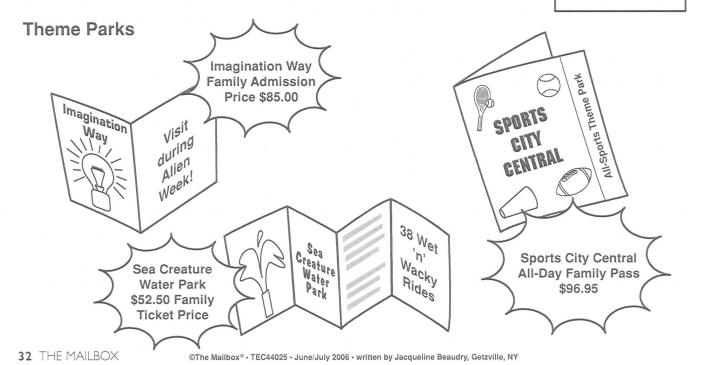
Hotels

\$60.00 per night

- indoor pool and exercise room
- free breakfast

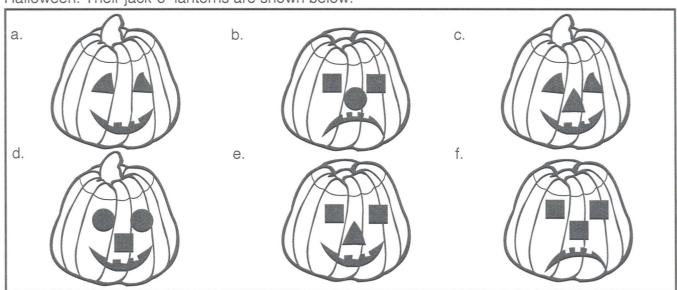


- O all the comforts of home
- indoor pool and game room
 free breakfast



"Jack-o'-Logic"

Six friends—Charlotte, Ian, Ruth, Neil, Emma, and Philip—each carved a jack-o'-lantern for Halloween. Their jack-o'-lanterns are shown below.



A. Use the clues below to match each pumpkin to the person who carved it. Keep track of the information by using the chart. Put a \checkmark in each box that is true and an X in each box that is not true.

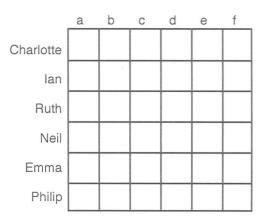
Clues:

- 1. Charlotte's jack-o'-lantern has more cutouts than Ruth's.
- 2. Neil's pumpkin has a circle.
- 3. The boys all removed the stems from their pumpkins.
- 4. Emma's pumpkin has no triangles.
- 5. Philip's jack-o'-lantern is not smiling.

-					
Λ	n	CI	AI	rs	
$\overline{}$		2	vv.	10	

Write the letter of each pumpkin beside the name of the person who carved it.

0.00		
Charlotte	lan	Ruth
Neil	Emma	Philip



B. Each friend carved his or her pumpkin on a different day. Use the following clues to number the friends1 to 6 in the order that they carved their pumpkins.

Clues:

- 1. Ruth carved her pumpkin one day before Emma and one day after Philip.
- 2. Two days after Emma carved her pumpkin, lan carved his.
- 3. Neil carved his pumpkin two days before Charlotte, who completed hers last.

Order in which pumpkins were carved:

Charlotte _____ lan ____ Ruth Neil ____ Emma ____ Philip

Bonus Box: On the back of this sheet, design your own jack-o'-lantern using a variety of shapes.

Memories of Honor

Change each fraction to a percent and each percent to a fraction. Then color the matching answers at the bottom of the page. The first one has been done for you.



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

3.
$$\frac{7}{10} =$$

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

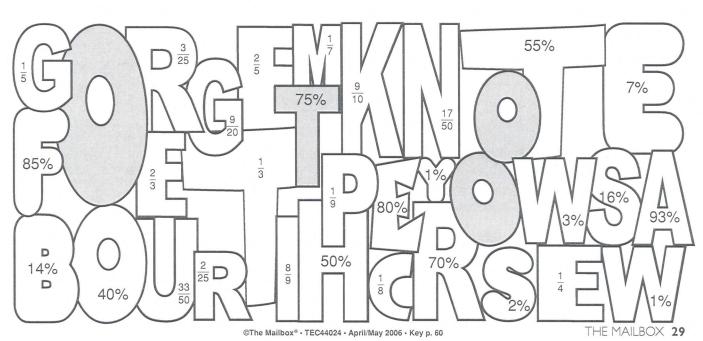
5.
$$\frac{4}{25} =$$

6.
$$\frac{17}{20} =$$

7.
$$\frac{11}{20} =$$

8.
$$\frac{4}{5} =$$





Perfect Fit!

Multiply. Write the product in simplest terms. Then color the shoe with the matching answer. Some shoes will not be colored.



1.
$$\frac{3}{8} \times \frac{2}{5} =$$

2.
$$\frac{6}{8} \times \frac{2}{9} =$$

3.
$$\frac{4}{5} \times \frac{2}{3} =$$

4.
$$\frac{2}{5} \times \frac{5}{6} =$$

5.
$$\frac{6}{10} \times \frac{5}{8} =$$

6.
$$\frac{8}{9} \times \frac{1}{7} =$$

7.
$$\frac{2}{3} \times \frac{6}{9} =$$

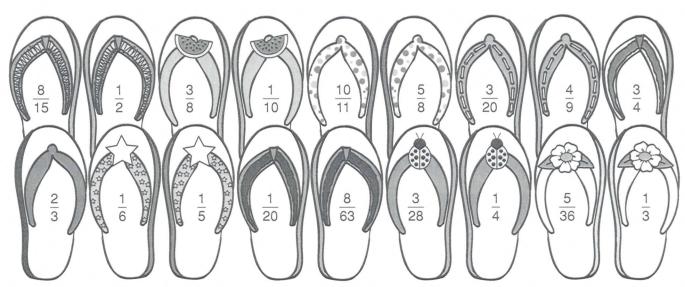
8.
$$\frac{4}{10} \times \frac{1}{2} =$$

9.
$$\frac{3}{4} \times \frac{4}{6} =$$

10.
$$\frac{1}{4} \times \frac{5}{9} =$$

11.
$$\frac{1}{5} \times \frac{5}{10} =$$
 12. $\frac{3}{6} \times \frac{4}{8} =$

12.
$$\frac{3}{6} \times \frac{4}{8} =$$

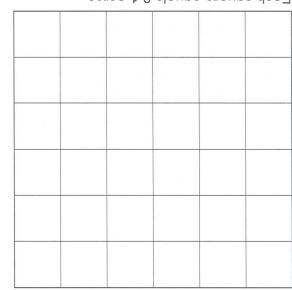


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3 3

acres.	SÌ	com de	=sch
t acres	ednals 0	sdnare	gch

Each cow gets acres. Each square equals 0.1 acres.



the problem. ber cow? Color the grid to help you solve amount of land, how many acres is that of land. If each cow grazes on the same A. Farmer Brown's 4 cows graze on 3.6 acres

"Cow-culating"

More Decimal "Cow-culations"

that per cow? Color the grid to help you

same amount of land, how many acres is

acres of land. If each cow grazes on the

Molly Milkmaid's 3 cows graze on 2.4

solve the problem.

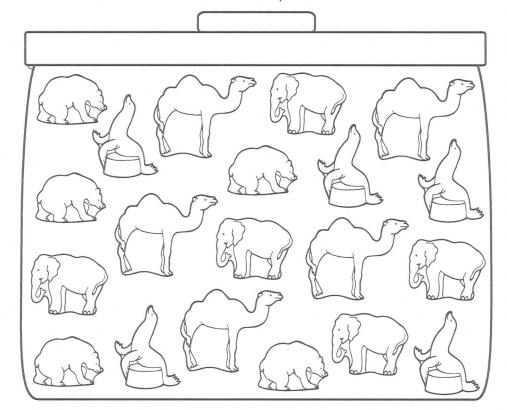
fold first

	9
	with Decimals
fold second	
	by

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Cookie Colors

Follow the directions. Then answer the questions.



Directions

- 1. Color one cookie yellow.
- 2. Color four cookies blue.
- 3. Color five cookies red.
- 4. Color ten cookies green.

- How many cookies are there in all? _____
- 2. What is the probability of pulling each color of cookie out of the cookie jar? Record your answers in word form and fraction form.

	Words	Fraction
yellow		
blue		
red		
green		

- 3. Which color of cookie are you most likely to pull from the jar? ______
- 4. Which color of cookie are you least likely to pull from the jar?
- 5. Are you more likely to pull out a blue cookie or a red cookie? ______

Why?

6. Suppose you pulled two cookies from the cookie jar. Cross out the outcome below that is impossible. Circle the outcome that is most likely to occur.

two blue cookies

two yellow cookies

two green cookies

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An "A-moo-sing" Riddle

Divide. Circle the letter of each correct answer.

2.
$$0.36 \div 6 =$$

3.
$$7.7 \div 7 =$$

8.
$$3.5 \div 5 =$$

L. 9.0

T. 0.12

4.0

W. 0.19

L. 3.3

C. 0.6

O. 0.06

K. 1.0

U. 11

R. 0.05

R. 0.09



To solve the riddle, match each circled letter above to its matching numbered line below.

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What's Polly's Pleasure?

Add one flavor and one type of nut to each batch of cookie dough. Complete the tree diagram to find all the possible combinations of ingredients. The first one has been done for you.

Cookie Dough
sugar cookie (SC)
animal-shaped cookie (AC)

Flavorings chocolate (CH) cinnamon (C)

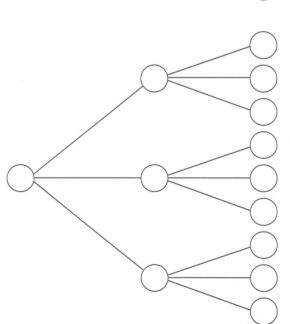
butterscotch (B)

Nuts pecans (P) walnuts (W) almonds (A)



Cookie Dough Flavoring Nuts

sugar cookie, chocolate, pecans



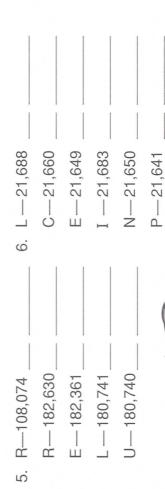
Order the Supplie

Write each set of numbers, with the letters, in order from least to greatest. If your answers are correct, the letters will spell the name of a school item. The first one has been done for you.

33.		
22	90	53
2. E—5,355	G—5,330	U—5,353
8,124	8,126	8,142
2	ш	Z
1. N—8,142	E-8,126	P-8,124

L - 5,333

4. E—84,054	L —83,605	F-83,356	R-84,057	0—83,365	D—83,615
3. A—17,898	E-18,309	P-17,897	R-18,903	P-17,903	
3					







8. N—143,105	R—140,107	C—104,108	S—144,000	A—142,106	0—143,104
7. R—215,836	I —214,726	B—214,672	E—215,823	N-214,820	D—215,283

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Y-142,160

LET'S GET STARTED!

Use each pair of numbers in the number bank to complete the problems.

160 and 10 257 and 413 99 and 912 4 and 367 20 and 500 Namber Bank

55 and 89

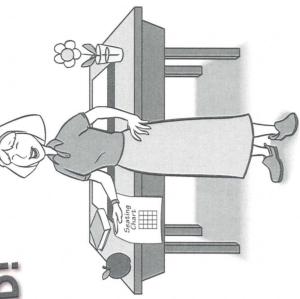
67 and 6

65 and 47

84 and 78

Welcome!

Please find your seat.



N

S.

9

Ä.

Ο.

B.

1,

ш 2

9

2

Ï

G.

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2 9

S 0 4

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9

4

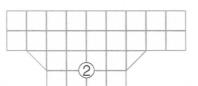
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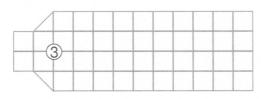
Carpet the Course!

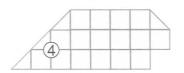
Find the area of the playing surface of each hole on the miniature golf course below (Hint: Count the squares.) Write your answer on the figure.

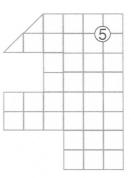


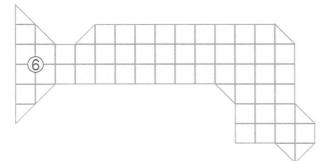


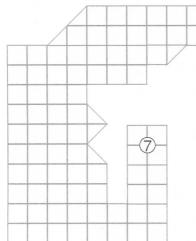


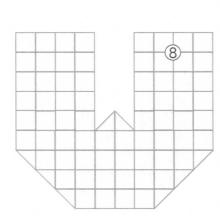


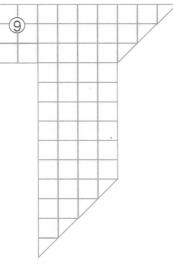












Funfair Friend

Subtract.

Write your answers in simplest terms.

Then color by the code.

$$\frac{1}{8}$$
 or $\frac{1}{4}$ = red

$$1\frac{1}{8}$$
 or $1\frac{1}{4}$ = yellow

$$\frac{1}{3}$$
 or $\frac{1}{6}$ = blue

$$1\frac{1}{3}$$
 or $1\frac{1}{6}$ = gree

$$\frac{1}{2}$$
 or $\frac{3}{4}$ = black

$$\frac{1}{8}$$
 or $\frac{1}{4}$ = red $\frac{1}{8}$ or $\frac{1}{4}$ = yellow $\frac{1}{3}$ or $\frac{1}{6}$ = blue $\frac{1}{3}$ or $\frac{1}{6}$ = green $\frac{1}{2}$ or $\frac{3}{4}$ = black $\frac{1}{2}$ or $\frac{3}{4}$ = orange

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What's Up With Old-Time Toys?

Use the graph to answer the questions.

Old-Time Toys Year-End Sales



	Marbles	
	~	
\sim	30Kh	













Jacks

1.	What was the company's best seller?	

2. What was the company's poorest seller?

3.	List the toys in ord	der of sales from b	est to poorest.	
	•			

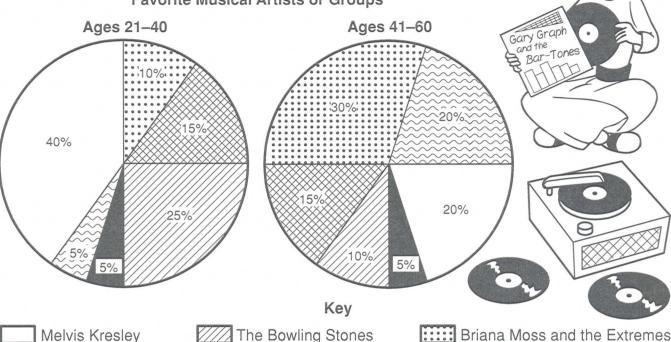
4. Would you suggest that any of the toys be removed from the sales list? Explain	
---	--

5.	Using the data shown on this graph, what suggestions would you make to improve sales for
	next year?

Oldies and Goldies

Use the graphs to answer the questions.

Favorite Musical Artists or Groups



- Melvis Kresley
 - The Four Fellas

Briana Moss and the Extremes



- 1. What was the most popular artist or group with the 21- to 40-year olds?
- 2. What was the most popular artist or group with the 41- to 60-year olds?
- 3. What percent of people age 21–40 liked the Bowling Stones best?
- 4. What percent of people age 41–60 liked the Four Fellas best?
- 5. Which musical artist or group was liked by the same percentage of people in both groups?
- 6. Which two artists or groups together got half the votes of the ages 21–40 group?
- 7. Which two artists or groups together got 25% of the votes in the ages 41–60 group?
- 8. Which artist or group was twice as popular with the younger voters as with the older voters?

Groovy Graphs Minibooklet

Directions:

- 1. Choose four questions from the list.
- 2. Ask ten friends or family members to answer the questions. Record their answers.
- 3. Show each set of data on a different graph below.
- Cut out the booklet pages. Staple the pages inside a folded strip of construction paper. Then decorate the cover.



Questions

- 1. What is your favorite type of music?
- 2. What musical instrument would you most like to learn to play?
- 3. What is your favorite time of day to listen to music?
- 4. How often do you attend live music concerts?
- 5. Do you prefer to listen to music on a CD player, an MP3 player, or a radio?
- 6. About how many hours per day do you listen to music?

Picture Graph	Bar Graph					
title of graph	title of graph					
symbol Line Graph	1 2 Circle Graph					
title of graph	title of graph Key					
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Note to the teacher: To complete this page, each child will need scissors, crayons, a 3" x 8" strip of construction paper folded in half, and access to a stapler.

What's Your Sign?

Directions: Follow the directions in each box to create true number sentences. Use a calculator to help you.



- 1. Add a + sign and an = sign.
- a. 6 8 5 9
- b. 1 7 9 2
- c. 6 3 2 7 9 0
- d. 5 8 2 7 8 5
- e. 8 6 9 5 1 8

Example:

Add a + sign and an = sign: 3 4 2 8 6 2

Solution:

4 + 2 8 = 6



- 2. Add a sign and an = sign.
- a. 4 7 9 3 8
- b. 6 2 7 5 5
- c. 9 1 1 9 7 2
- d. 1 0 6 8 9 8
- e. 1 4 3 5 6 8 7

3. Add a x sign and an = sign.

6

- a. 9 8 7
- b. 1 6 5 8 0
- c. 4 2 4 9 6
- d. 5 4 7 3 7 8
- e. 1 7 2 1 3 5

- 4. Add $a \div sign$ and an = sign.
- a. 1 8 6
- b. 5 6 7 8
- c. 6 0 4 1 5
- d. 1 2 0 1 0 1 2
- e. 4 3 5 1 5 2 9

- 5. Add either a +, -, x, or \div . sign and an = sign.
- a. 7 2 1 2 6
- b. 4 6 3 9 7
- c. 9 5 7 6 6
- d. 7 1 4 9 8
- e. 2 7 2 5 2

6. Add *two* signs and an = sign. Add parentheses if needed. The first one is done for you.

2

- a. $(6 \times 8) + 5 = 5$
- b. 7 3 6 6 0
- c. 9 5 8 1 2
- d. 2 0 5 3 7
- e. 5 6 3 9

Bonus Box: On the back of this sheet, write a number sentence that could be added to one of the boxes above. Challenge a classmate to fill in your sentence with the correct sign (or signs).

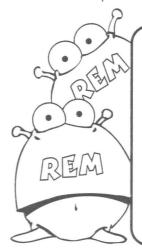
3

0

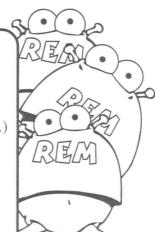
Those Pesky Rems!

Rems? That's short for remainders! Sometimes the answer to a problem is a quotient with a remainder. What exactly do you do with that remainder? Does it make sense to show it in your answer? To help you decide, read the problem again. A remainder is usually shown in one of four ways.

Read the following problems. Each problem's quotient is 1 R2. But in each problem, the remainder is interpreted in a different way.



- A. A bag holds 5 moon rocks. Nanu put 7 rocks into bags. How many bags did she use? $1\frac{2}{5}$ bags (Show the answer as a mixed number.)
- B. A bag holds 5 moon rocks. Nanu has 7 rocks to put into bags. How many bags does she need? **2 bags** (Round the quotient up.)
- C. A bag holds 5 moon rocks. Nanu put 7 rocks into bags. How many bags did she fill? **1 bag** (Round the quotient down.)
- D. A bag holds 5 moon rocks. Nanu has 7 rocks to put into bags.After filling one bag, how many rocks will she have left over?2 rocks (The remainder is the answer.)

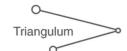


Directions: Solve each problem. Then write how you interpreted the remainder. The first one has been done for you.

- 1. There are 35 Rems waiting to take shuttles to the planet Noo. Each shuttle holds 8 Rems. How many shuttles are needed to take everyone to Noo?
 5 shuttles 35 ÷ 8 = 4 R3 Round up.
- 2. Each shuttle makes 7 stops along the 59 light-year journey. The stops are equally spaced along the route. How far apart are the stops?
- 3. On the planet Noo, a souvenir costs \$0.09. How many souvenirs can Nanu buy with \$1.10?
- 4. There are 29 Rems who want to take the next return flight. A shuttle holds 8 Rems. How many Rems won't be able to take this flight?
- 5. A shuttle flies 5 days a week. It travels a total of 42 light-years. What is the average number of light-years that a shuttle flies each day?
- 6. Nanu has 75 tokens to ride the shuttle. Each trip costs 8 tokens. How many trips can Nanu take? _____
- 7. Nanu has \$3.50. A shuttle token costs \$0.09. How much money will she have left if she buys all the tokens she can? ____
- 8. There are 86 Rems lined up to board a shuttle. Each seat on the shuttle holds 5 Rems. How many seats are needed? _____

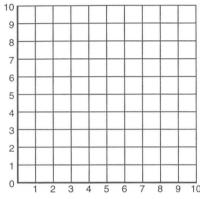
Bonus Box: Including yourself, how many students are in your class? Divide that number by any digit from 2 through 9 so that you have a remainder. Then, using that problem, write two division problems in which the remainder is interpreted differently.

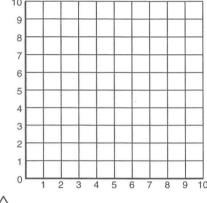
Seeing Stars

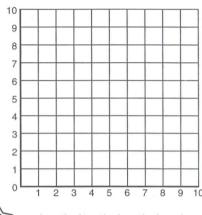


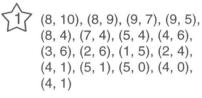
Dr. Luke Stargazer fell on his way to work this morning. Now he's having trouble plotting and identifying the constellations he needs for a lecture. Help him out!

Directions: For problems 1–3, plot a point for each ordered pair. Connect the points on each grid, in order, to draw three different constellations. For problems 4-6, identify each constellation by writing the letter for each ordered pair in its matching blank.



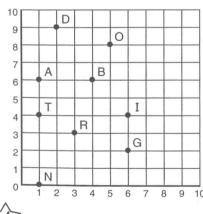


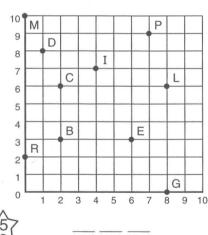


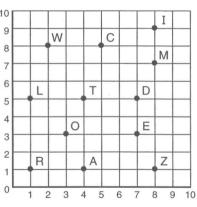




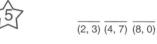














 $\overline{(1,8)}$ $\overline{(4,7)}$ $\overline{(7,9)}$ $\overline{(7,9)}$ $\overline{(6,3)}$ $\overline{(0,2)}$

Bonus Box: To find out another name for the constellation in problem 6, write the letters for the following ordered pairs: (1, 5)(8, 9) (8, 1) (4, 1) (1, 1) (7, 5)

The Value of Words

In the value box, each letter of the alphabet has been given a dollar value. To find the value of a word, add the values of all the letters. For example, the word "school" would be worth \$72 (19 + 3 + 8 + 15 + 15 + 12 = 72). Write words with appropriate values in each of the boxes below.

\$10 Words	\$20 Words
	-
\$50 Words	\$100 Words
\$101-\$150 Words	\$151-\$200 Words

VALUE BOX								
Α	=	\$1						
В	=	\$2						
С	=	\$3						
D	=	\$4						
E	=	\$5						
F	=	\$6						
G	=	\$7						
Н	=	\$8						
1	=	\$9						
J	=	\$10						
K	=	\$11						
L	=	\$12						
M	=	\$13						
N	=	\$14						
0	=	\$15						
Р	=	\$16						
Q	=	\$17						
R	=	\$18						
S	=	\$19						
Т	=	\$20						
U	=	\$21						
V	=	\$22						
W	=	\$23						
X	=	\$24						
Υ	=	\$25						
Z	=	\$26						

COMING UP NEXT...

A sequence is a set of numbers formed by following a rule.



 In an arithmetic sequence, you add or subtract the same number to find the next term.

Example: 5, 8, 11, 14, 17,... (Add 3.)

 In a geometric sequence, you multiply or divide by the same number to find the next term.

Example: 3, 6, 12, 24, 48,... (Multiply by 2.)

• Some are neither arithmetic nor geometric sequences. The terms follow each other according to a rule and form a pattern.

Example: 2, 2, 4, 6, 10, 16,... (Add the two preceding terms to get the next term.)



Complete each sequence below by supplying the missing terms. Then write the rule for the pattern. Use the back of this page if you need more space. The first one has been done for you.

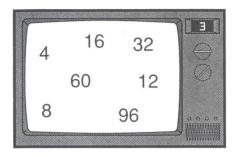
- 1. 6, 13, 20, 27, <u>34</u>, <u>41</u>,...
- 2. 2, 6, _____, 54, 162, ____,...
- 3. 9, , 29, 39, , 59,...
- 4. 4; 20; 100; 500; ; ; ;...
- 5. 2, 7, 17, 22, 32, 37, ____, ___,
- 6. $\frac{3}{4}$, _____, $\frac{27}{64}$, $\frac{81}{256}$, _____, $\frac{729}{4096}$,...
- 7. 1, 3, _____, 10, 15, _____,...
- 8. _____, 44, 66, 88, _____, ____,...
- 9. 2, 4, 4, 6, 6, 6, _____, ____, 8, _____,...
- 10. 4,000; 2000; _____; 500; _____;...

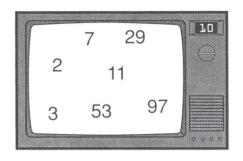
- 11. 12, 23, 34, 45, 56, ____, ,___,...
- 12. 1; 6; 36; 216; ____; ___;...
- 13. 100, 10, _____, 20, 80, 30, 70, _____,...
- 14. 96, 48, 24, 12, _____, ____,...
- 15. $\frac{1}{2}$, $1\frac{1}{2}$, _____, 3, $3\frac{1}{2}$, _____, 5,...
- 16. 1, 5, 10, _____, 50, 1.00, _____, 10.00,...
- 17. A, 1, Z, B, 2, Y, ____, ___, ___,
- 18. 1, J, 2, F, 3, M, 4, A, _____, ____,...
- 19. 1.2, 2.6, 3.18, 4.54, 5.162, _____, ____,
- 20. $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, _____, $1\frac{1}{4}$, _____, $1\frac{3}{4}$...

Bonus Box: 3, 3, 5, 4, 4, 3, 5, 5, 4, ____. What number goes in the blank? Describe the pattern. (Hints: It is neither an arithmetic nor a geometric sequence. Write the number words for 1–10.)

NETWORK NUMBERS

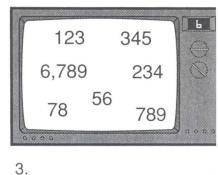
Welcome to Channel 4—the network that shows only multiples of 4! Then tune in to the other networks shown below. Each one includes a pattern—some easier to recognize than others. Study the numbers on each screen. What do they have in common? Do you see a pattern? Then on the line below each screen, describe the pattern of the set of numbers. Use the back of this page if you need more space. The first one is done for you.





2.

8.



1. <u>multiples of 4</u>

121

4,334

343

2,332 1,001 55,155 30 36 85 41 69 52 47

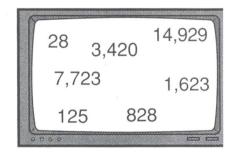
81 324 108 333 1,026

4

5. _____

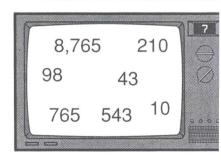
6. _____

14 56 140 112 28 294 3 18 75 129 51 30



7. _

82 8,895 235 767 956 986,241 73 8 125 ₅₀₃ 332 2,321 35 107



10.

11.

12.

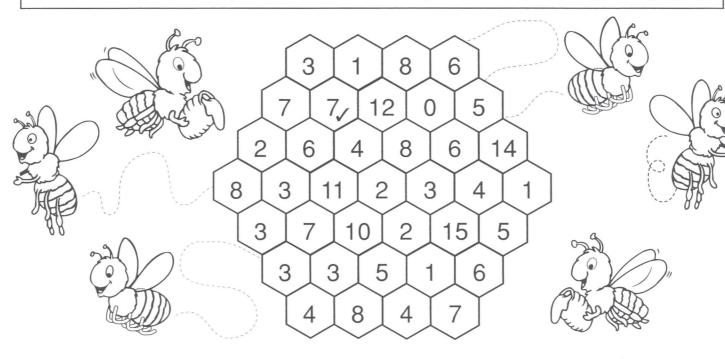
Bonus Box: Each of the following numbers belongs on one of the TV screens above: 5, 25, 70, 100, 145, 320, 321, 321, 393, 567, 611, and 8,100. Write each number on its matching screen. Use each number once.

The Honeycomb Hunt

September is a sweet time to practice addition! That's because it's National Honey Month. More than 220 million pounds of honey is produced by honeybees and beekeepers in the United States each year. That's a heap of honey!

Inside the honeycomb below, you won't find any honey. But you should find 11 groups of seven hexagons each whose numbers add up to 40.

Directions: Find a hexagon that is completely surrounded by numbers. Add that number and the six other numbers that surround it. If the sum is 40, write that number sentence on a blank below. An example has been done for you (see the hexagon with a ✓). Now buzz your way through the honeycomb and find ten more sets of addends that equal 40. (Hint: Mark an X on a center number that is not part of a set that equals 40.)



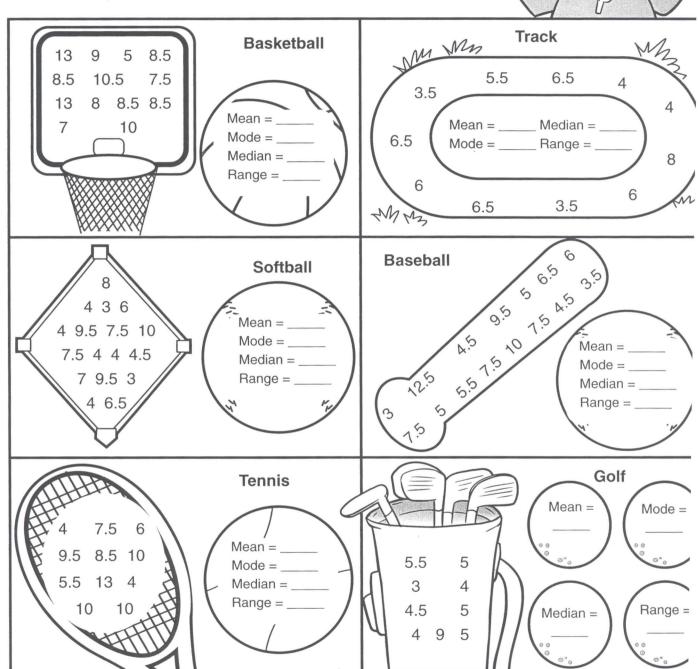
7 + 3 + 1 + 12 + 4 + 6 + 7 = 40	

Bonus Box: Try this tricky teaser: Use the number 40 three times in a number sentence so that the answer is 101. You may use any of the four operations and creatively arrange the 40s any way you choose. You may not use any other numbers.

Shoe-Size Statistics

Archie Goodfoot is buying new shoes for each athlete playing a sport at Fit Feet sports center. He needs to know the mean, median, mode, and range of each team's shoe sizes. Use a calculator to help him get the data. Round your answers to the nearest tenth.

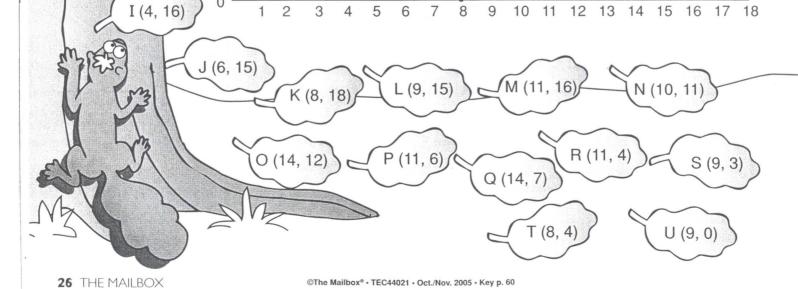




Bonus Box: Record the shoe size of six classmates and your own. Find the mean, median, mode, and range of the sizes. Is your shoe size above or below the mean?

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Note to the teacher: Each student will need a calculator to complete this page.



2

H (5, 10)

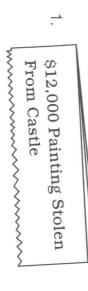
Extra! Extra!
Hot off the royal

Rounded Royal Headlines

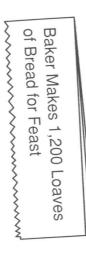
Read each headline

Decide which place value the number in it was rounded to.

Write a sample number that can be rounded to the headline number. One has been done for you



Sample number Rounded to the nearest thousand 11,958



4

Sample number Rounded to the nearest



.7 Friday's tournament will have 347

• •		
>		
>		
•		
>		
>		

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N h~~~~~~~~~~ Miles Away King's Carriage Found 40

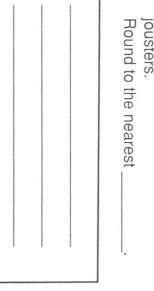
Sample number Rounded to the nearest

www.... Princess Gives Knight \$386 for Killing Dragon

S

Sample number Rounded to the nearest

00



ω

5,400 Miles Prince's Caravan to Travel

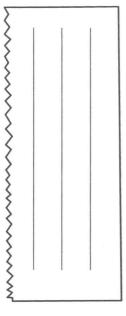
Sample number Rounded to the nearest

Castle Needs Homes for 200

0

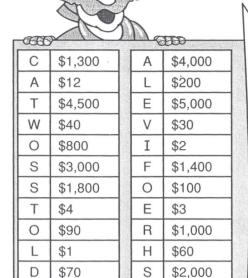
Sample number Rounded to the nearest

302 feet tall. Round to the nearest The castle's new stone tower is



Shocked Shopper

Follow the directions to estimate the cost of the items in each bag or box.



I can't believe

these prices!

Round to the	e nearest dollar.
Sweet S	Stuff Candy

- 1. lollipop \$2.87
- 2. stick candy \$0.55
- 3. gummy sours \$4.25
- 4. candy apple \$2.15
- 5. chocolate bar \$12.45

Round to the nearest ten.

Cocoa's Closet

- 6. purse \$23
- 7. shoes \$38
- 8. skirt \$65
- 9. jeans \$88
- 10. jacket \$174

Round to the nearest hundred.

R

\$900

\$170

Electric Alley Electronics

11. stereo \$224

S

\$20

- 12. CD player
- 13. computer \$979
- 14. wide-screen TV \$1,331

Round to the nearest thousand.

- 15. watch
- 16. necklace \$4,499
- 17. bracelet
- 18. earrings
- 19. ring

Gems & More Jewelry

- \$1.769
- \$849
- \$4,899
- \$2,519

What fun things are inside the world's largest mall in Edmonton, Alberta, Canada?

To find out, look at the shield above. Write the letter of each problem's answer in its matching numbered blank below. Some letters will not be used.

17	12	2	11	18	10		14	9	5	6	3	1	17
and	7		3	18	13	3	19	11	4	8	18	3 15	5