

$$\begin{array}{r} 1.) \quad \$ 528 \\ + 276 \\ \hline \end{array}$$

$$\begin{array}{r} 2.) \quad 9,508 \\ + 792 \\ \hline \end{array}$$

$$\begin{array}{r} 3.) \quad 5,724 \\ + 3,295 \\ \hline \end{array}$$

$$\begin{array}{r} 4.) \quad 35,312 \\ + 13,226 \\ \hline \end{array}$$

$$5.) \quad 5,764 + 3,287$$

$$6.) \quad \$1,76 + \$9,08 + \$3,285$$

$$7.) \quad 2,173 + 3,562 + 786$$

$$8.) \quad 1,704 + 9,094 + 7,060 + 2$$

$$\begin{array}{r} 9.) \quad 7,236 \\ + 4,775 \\ \hline \end{array}$$

$$\begin{array}{r} 10.) \quad 6,485 \\ + 3,374 \\ + 1,966 + 8 \\ \hline \end{array}$$

Division

Aplusmath.com Worksheet

1.

$$3 \overline{) 168}$$

2.

$$3 \overline{) 225}$$

3.

$$9 \overline{) 297}$$

4.

$$5 \overline{) 455}$$

5.

$$3 \overline{) 267}$$

6.

$$8 \overline{) 520}$$

7.

$$6 \overline{) 456}$$

8.

$$2 \overline{) 34}$$

9.

$$2 \overline{) 158}$$

10.

$$6 \overline{) 108}$$

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Multiplication Aplusmath.com Worksheet

1.

$$\begin{array}{r} 25 \\ \times 8 \\ \hline \end{array}$$

2.

$$\begin{array}{r} 31 \\ \times 19 \\ \hline \end{array}$$

3.

$$\begin{array}{r} 16 \\ \times 79 \\ \hline \end{array}$$

4.

$$\begin{array}{r} 37 \\ \times 31 \\ \hline \end{array}$$

5.

$$\begin{array}{r} 75 \\ \times 42 \\ \hline \end{array}$$

6.

$$\begin{array}{r} 60 \\ \times 19 \\ \hline \end{array}$$

7.

$$\begin{array}{r} 79 \\ \times 39 \\ \hline \end{array}$$

8.

$$\begin{array}{r} 82 \\ \times 92 \\ \hline \end{array}$$

9.

$$\begin{array}{r} 56 \\ \times 98 \\ \hline \end{array}$$

10.

$$\begin{array}{r} 30 \\ \times 53 \\ \hline \end{array}$$

[Get Answers](#)[Home](#) | [Worksheets](#) | [Flashcard Creator](#) | [Comments](#)



Name _____

Subtracting Greater Numbers

P 2-7

Subtract. Check by adding.

1.
$$\begin{array}{r} 6,805 \\ - 1,945 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 7,003 \\ - 5,721 \\ \hline \end{array}$$

3.
$$\begin{array}{r} \$832.74 \\ - 281.53 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 59,300 \\ - 42,712 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 36,006 \\ - 28,454 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 52,622 \\ - 11,655 \\ \hline \end{array}$$

Find the difference.

7. $14,052 - 7,940 =$ _____

8. $26,666 - 12,412 =$ _____

Follow these steps for each exercise below.

- a. Write the greatest number possible using every digit in each box once.
- b. Write the least number possible using the same digits.
- c. Subtract the numbers.

9.

4	1	7
---	---	---

EXAMPLE

a. greatest number
$$\begin{array}{r} 741 \\ \hline \end{array}$$

b. least number
$$\begin{array}{r} 147 \\ \hline \end{array}$$

c. difference
$$\begin{array}{r} 94 \\ \hline \end{array}$$

10.

8	2	5
---	---	---

a. greatest number _____

b. least number _____

c. difference _____

11.

6	4	2	8
---	---	---	---

a. greatest number _____

b. least number _____

c. difference _____

12.

5	3	9	7
---	---	---	---

a. greatest number _____

b. least number _____

c. difference _____

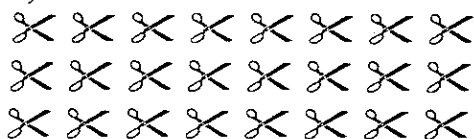
Name: _____

1) Circle $\frac{1}{3}$ of these mailboxes.




So, how many is $\frac{2}{3}$ of these mailboxes? _____


2) Circle $\frac{1}{8}$ of these scissors.



So, how many is $\frac{3}{8}$ of the scissors? _____

3) If there are 30 bells , how many bells are $\frac{1}{5}$ of that? _____

So, how many are $\frac{3}{5}$? _____

4) If there are 48 folders , how many are $\frac{1}{8}$ of that? _____

So, how many are $\frac{7}{8}$? _____

Find these amounts.

5) $\frac{1}{8}$ of 248 =

6) $\frac{1}{4}$ of 856 =

7) $\frac{1}{5}$ of 605 =

8) $\frac{1}{3}$ of 516

9) Circle which fractions are more than half (NOT equal to or less than $\frac{1}{2}$):

$\frac{2}{3}$ $\frac{12}{24}$ $\frac{12}{20}$ $\frac{4}{5}$ $\frac{4}{15}$ $\frac{5}{14}$ $\frac{2}{5}$ $\frac{7}{15}$ $\frac{14}{25}$

10) Put these fractions in order from least to greatest.

$\frac{4}{5}$ $\frac{1}{11}$ $\frac{1}{7}$ $\frac{4}{8}$ $\frac{13}{14}$ $\frac{1}{5}$ \rightarrow _____

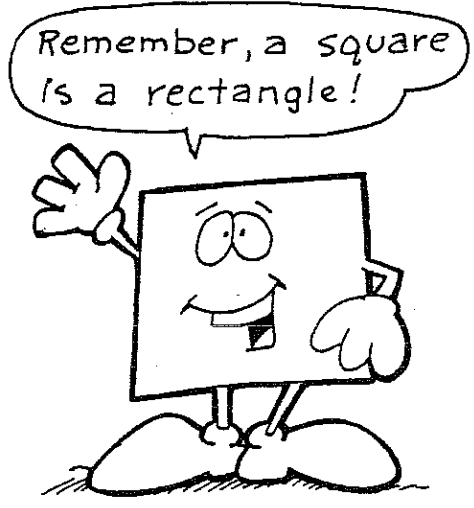
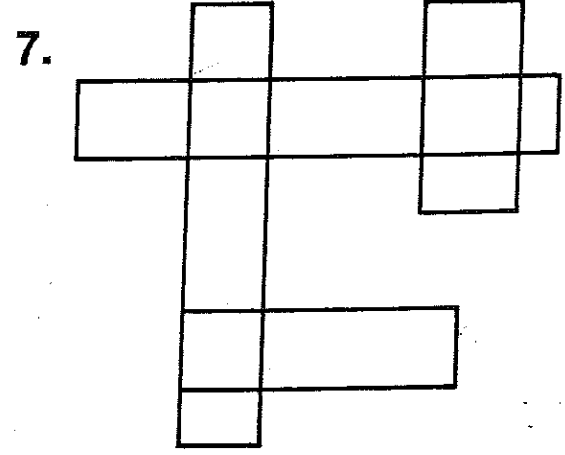
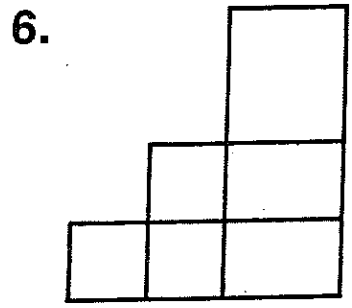
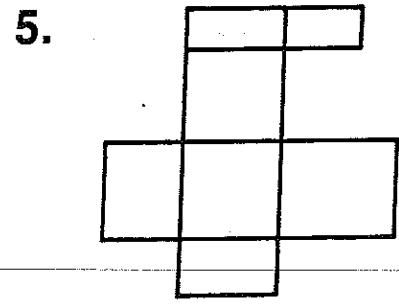
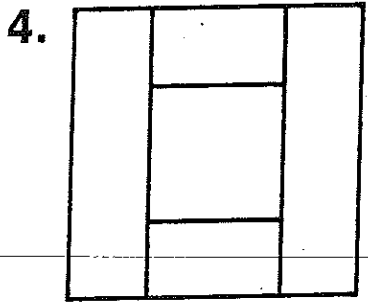
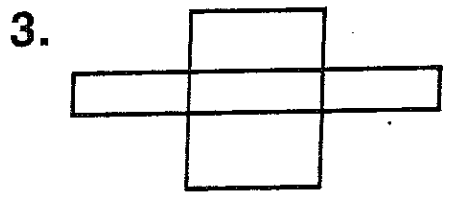
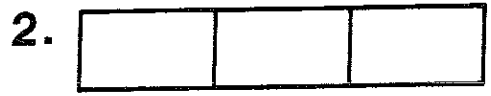
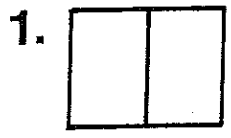
Hint: Think about: a) which are more or less than half,

b) how to compare fractions when the numerator is the same time, and

c) how to compare fractions with one piece less than a whole.

RECTANGLE SEARCH

Count *all* the rectangles in each figure.



6) If 7 students each buy 6 paper clips, how many paper clips were sold?

7) If we take in \$8.45 on Monday and \$9.60 on Tuesday, how much did we collect for the two days combined?

8) How much more did we collect on that Tuesday than that Monday?

9) We began one day with \$144.88 in the store. We ended that day with \$160.17. How much did we make that day?

10) We had \$117.54 at the end of a week. We spent \$38.66 to buy new supplies. How much was left after those purchases?

Multiplication

Page 10

$$\begin{array}{r} \textcircled{1} \quad 17 \\ \times \quad 26 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{2} \quad 48 \\ \times \quad 19 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{3} \quad 78 \\ \times \quad 27 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{4} \quad 107 \\ \times \quad \quad 9 \\ \hline \end{array}$$

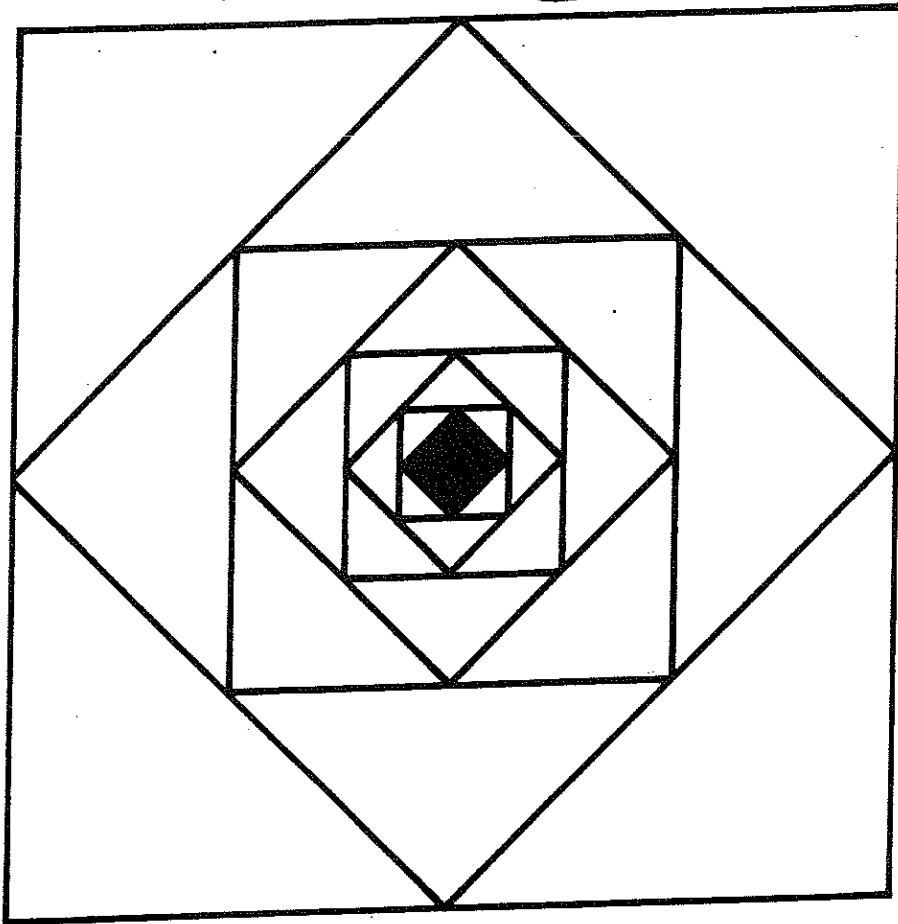
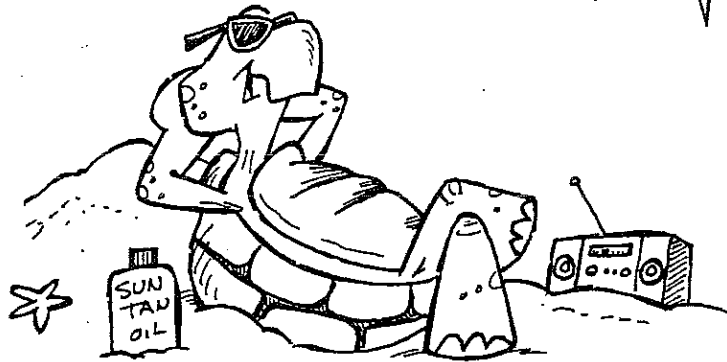
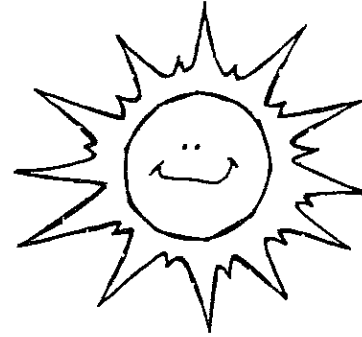
$$\begin{array}{r} \textcircled{5} \quad 421 \\ \times \quad \quad 13 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{6} \quad 75 \\ \times \quad \quad 8 \\ \hline \end{array}$$

Just for fun 2

COMPARE THE SQUARES

The area of the smallest (shaded) square measures 1 square unit. What is the area of the largest square?



Division

Page 11

$$\textcircled{1} \quad 9 \overline{) 46}$$

$$\textcircled{2} \quad 6 \overline{) 94}$$

$$\textcircled{3} \quad 5 \overline{) 117}$$

$$\textcircled{4} \quad 8 \overline{) 881}$$

$$\textcircled{5} \quad 394 \div 2 =$$

Decimals

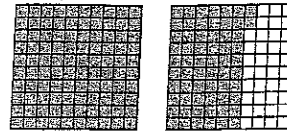
1. Circle the decimal equal that equals $1\frac{1}{2}$: 1.2 1.5 1.02 1.05

2. Circle the decimal that equals $10\frac{1}{100}$ 10.01 10.100 1.10 1.01

3. Write a mixed decimal for the model.



4. Write a mixed decimal for the model.



5. Write $3\frac{2}{10}$ as a decimal: _____

6. Write $16\frac{16}{100}$ as a decimal: _____

Put the decimals in order from least to greatest:

7. 0.7 0.07 7.7 1.07 0.77
 _____, _____, _____, _____, _____

8. 10.10 110.01 110.10 0.01 0.11
 _____, _____, _____, _____, _____

Solve:

9.
$$\begin{array}{r} 0.8 \\ +0.7 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 1.83 \\ -0.58 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 2.75 \\ +1.35 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 2.4 \\ -1.5 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 0.57 \\ -0.39 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 70.08 \\ +3.44 \\ \hline \end{array}$$

15. How much is $\frac{1}{10}$ of \$20.00? _____

Types of Quadrilaterals

Quadrilaterals are polygons with 4 sides. Some quadrilaterals have special names. A **parallelogram** has parallel and congruent opposite sides. A **rhombus** has 4 congruent sides. A **rectangle** has 2 pairs of congruent sides and 4 right angles. A **square** has 4 congruent sides and 4 right angles.



Parallelogram



Rhombus

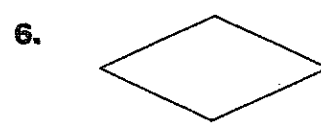
Remember that *parallel* lines never cross. *Congruent* sides are the same length.

Name the quadrilaterals.

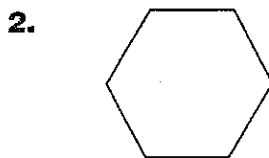
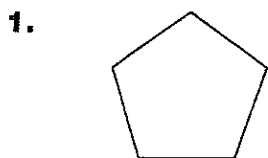


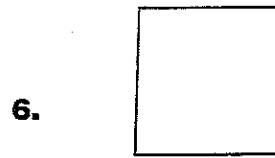
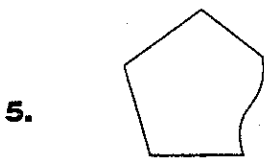
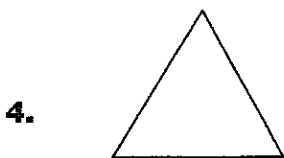
Remember that a rhombus is a type of parallelogram. A square is a type of rectangle.

Is the figure a rectangle? Write *yes* or *no*.



Which figures are polygons? If a figure is not a polygon, explain why.





Multiplication

* Remember ... ask yourself ... is my answer reasonable!

$$\begin{array}{r} \textcircled{7} \$ 1.76 \\ \times \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{8} \$ 20.14 \\ \times \quad 9 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{9} \$ 13.05 \\ \times \quad 3 \\ \hline \end{array}$$

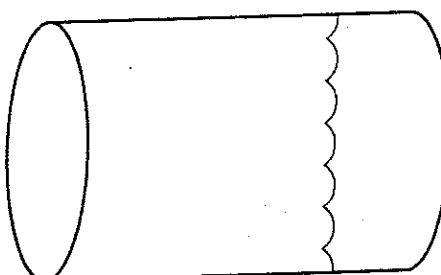
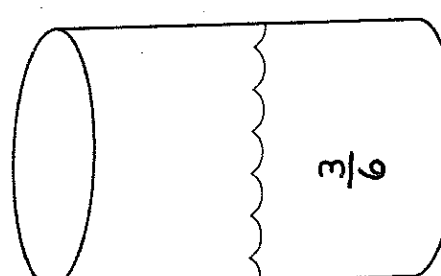
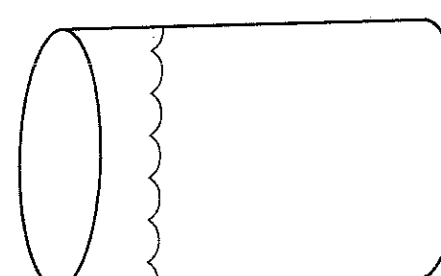
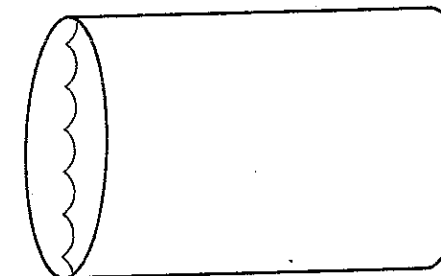
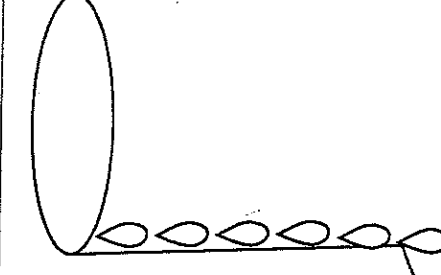
$$\begin{array}{r} \textcircled{10} \$ 5.98 \\ \times \quad 11 \\ \hline \end{array}$$

Name _____

Date _____

Student Sheet 14

Fractions in Containers

				
less than one-half	one-half	between one-half and one whole	one whole	more than one whole

Write each fraction in the container in which it belongs.

Cross out each fraction as you use it. ($\frac{3}{6}$ has been done for you.)

There are five fractions for each container.

- ~~$\frac{3}{6}$~~
- $\frac{5}{5}$
- $\frac{1}{4}$
- $\frac{5}{2}$
- $\frac{1}{5}$
- $\frac{2}{3}$
- $\frac{2}{2}$
- $\frac{3}{5}$
- $\frac{5}{7}$
- $\frac{6}{3}$
- $\frac{2}{5}$
- $\frac{2}{4}$
- $\frac{3}{3}$
- $\frac{10}{20}$
- $\frac{3}{10}$
- $\frac{2}{6}$
- $\frac{2}{5}$
- $\frac{9}{10}$
- $\frac{6}{5}$
- $\frac{10}{10}$
- $\frac{4}{8}$
- $\frac{4}{5}$
- $\frac{8}{8}$
- $\frac{6}{12}$

Division:

Page 16

$$\textcircled{6} \quad 2 \overline{) 1.78}$$

$$\textcircled{7} \quad 4 \overline{) 9.56}$$

$$\textcircled{8} \quad 2 \overline{) 25.60}$$

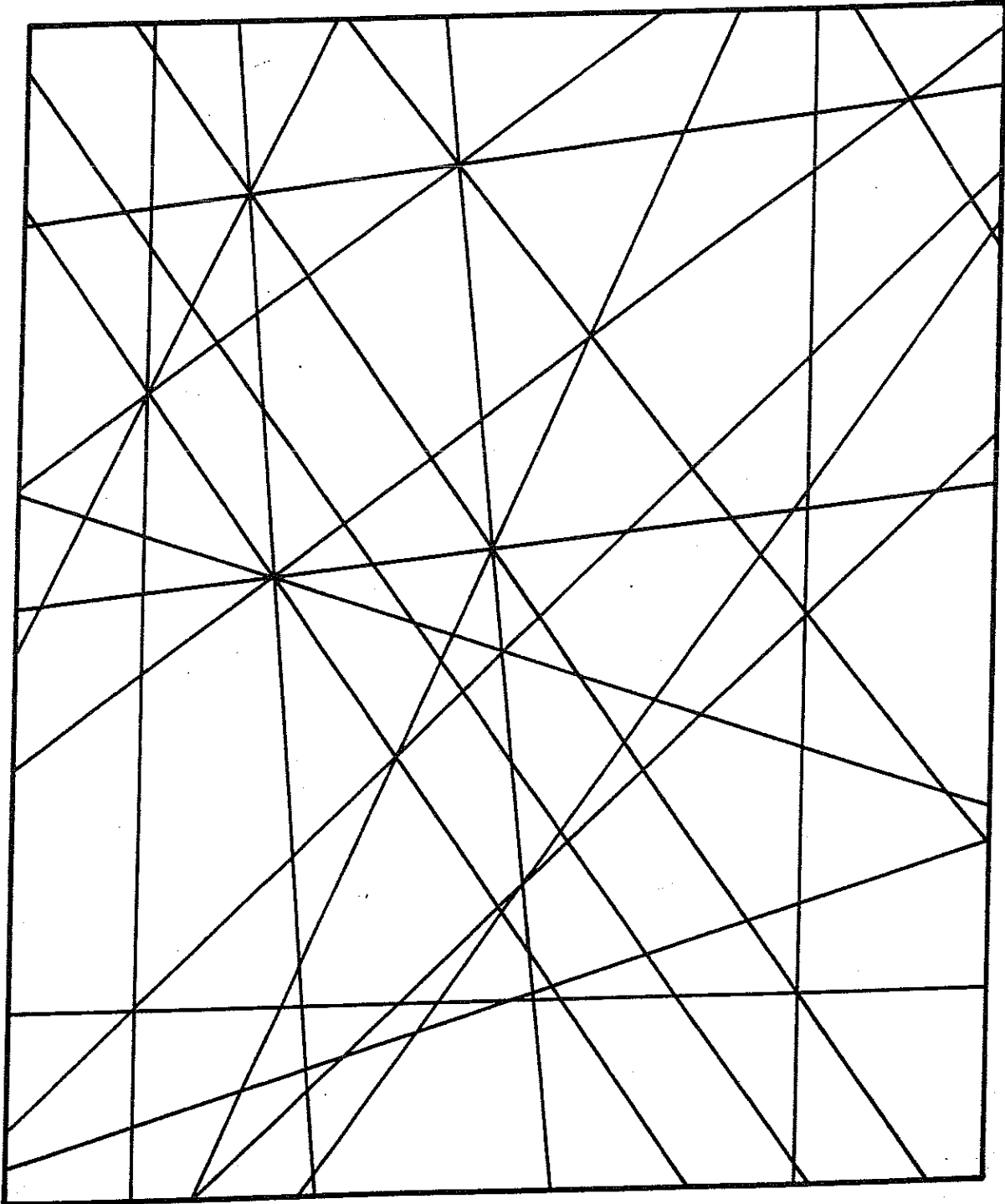
$$\textcircled{9} \quad 12 \overline{) 197}$$

$$\textcircled{10} \quad 328 \div 19 =$$

Just for fun 3

HIDDEN FIGURES

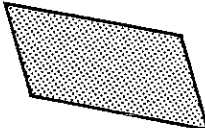
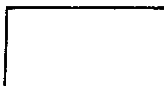
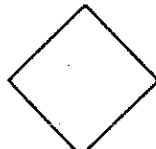
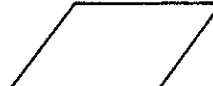
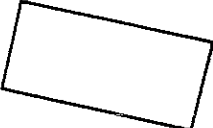
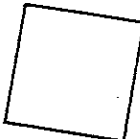
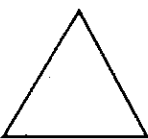
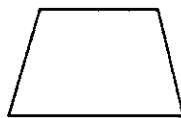
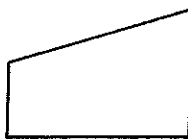


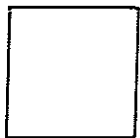
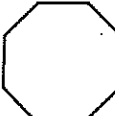

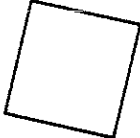
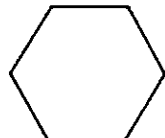


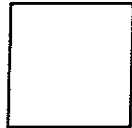

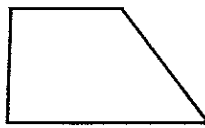

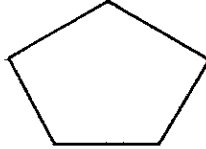
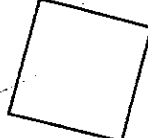

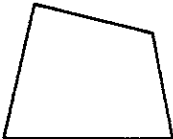
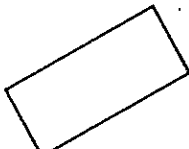
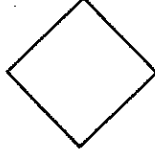
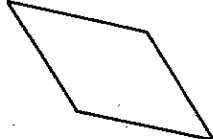

A regular polygon is one whose *sides* are all equal (congruent) and whose *angles* are all equal (congruent). In the drawing below, locate four regular polygons: a triangle, a quadrilateral (square), a pentagon (five sides), and a hexagon (six sides).



Just for fun 4

Help the knight find his way out of the castle.

First shade each polygon that is named correctly. Then follow the path through the rooms that contain shaded polygons.

 Parallelogram	 Rectangle	 Square	 Parallelogram	 Rectangle
 Square	 Square	 Rectangle	 Square	 Parallelogram
 Rectangle	 Square	 Rectangle	 Rectangle	 Square
 Parallelogram	 Rectangle		 Square	 Parallelogram
 Rectangle	 Square	 Triangle	 Square	 Square
 Parallelogram	 Rectangle	 Square	 Parallelogram	 Rectangle

ADD

4TH GRADE SUMMER MATH PACKET

$$\begin{array}{r} 1.) \quad \$ 5 \overset{1}{2} 8 \\ + \quad 2 \overset{1}{7} 6 \\ \hline \$ 8.04 \end{array}$$

$$\begin{array}{r} 2.) \quad \overset{1}{9} \overset{1}{5} \overset{1}{0} 8 \\ + \quad 7 9 2 \\ \hline 10,300 \end{array}$$

$$\begin{array}{r} 3.) \quad \overset{1}{5}, \overset{1}{7} 2 4 \\ - \quad 3, 2 9 5 \\ \hline 9,019 \end{array}$$

$$\begin{array}{r} 4.) \quad 3 5, 3 \overset{1}{1} 2 \\ \quad \quad 1 2 5 \\ + \quad 1 3, 2 2 6 \\ \hline 48,663 \end{array}$$

$$\begin{array}{r} 5.) \quad \overset{1}{5}, \overset{1}{7} \overset{1}{6} 4 + 3, 2 8 7 \\ + \quad 3, 2 8 7 \\ \hline 9051 \end{array}$$

$$\begin{array}{r} 6.) \quad \$1 \overset{1}{7} 6 + \$9 \overset{1}{0} 8 + \$3 \overset{1}{2} 8 5 \\ \quad \quad 9.08 \\ \quad \quad \overset{1}{3} 2.85 \\ \hline 43.69 \end{array}$$

$$\begin{array}{r} \overset{1}{2} \overset{2}{1} \overset{1}{7} 3 \\ 3 5 6 2 \end{array}$$

$$\begin{array}{r} 7.) \quad 2, 1 7 3 + 3, 5 6 2 + 7 8 6 \\ + \quad 7 8 6 \\ \hline 6,521 \end{array}$$

$$9 \overset{1}{0} 9.41$$

$$\begin{array}{r} 8.) \quad 1 7 \overset{1}{0} 4 + 9 0 9 \overset{1}{4} 1 + 7 0 \overset{1}{6} 0 2 \\ + \quad 70.602 \\ \hline 997.052 \end{array}$$

$$\begin{array}{r} 9.) \quad \overset{1}{7}, \overset{1}{2} \overset{1}{3} 6 \\ + \quad 4, 7 7 5 \\ \hline 12,011 \end{array}$$

$$\begin{array}{r} 10.) \quad \overset{1}{6}, \overset{2}{4} \overset{1}{8} 5 \\ \quad \quad 3, 3 7 4 \\ + \quad \overset{1}{1} 9, 6 6 8 \\ \hline 29,527 \end{array}$$

Answers -
www.aplusmath.comDivision
Page 2

1.	$168 \div 3 = 56$
2.	$225 \div 3 = 75$
3.	$297 \div 9 = 33$
4.	$455 \div 5 = 91$
5.	$267 \div 3 = 89$
6.	$520 \div 8 = 65$
7.	$456 \div 6 = 76$
8.	$34 \div 2 = 17$
9.	$158 \div 2 = 79$
10.	$108 \div 6 = 18$

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Answers - Multiplication
www.aplusmath.com
Page 3

1.	$25 \times 8 = 200$
2.	$31 \times 19 = 589$
3.	$16 \times 79 = 1,264$
4.	$37 \times 31 = 1,147$
5.	$75 \times 42 = 3,150$
6.	$60 \times 19 = 1,140$
7.	$79 \times 39 = 3,081$
8.	$82 \times 92 = 7,544$
9.	$56 \times 98 = 5,488$
10.	$30 \times 53 = 1,590$

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Name _____

Answers
Page 4

Subtracting Greater Numbers

P 2-7

Subtract. Check by adding.

1.
$$\begin{array}{r} 6,805 \\ - 1,945 \\ \hline 4,860 \end{array}$$

2.
$$\begin{array}{r} 7,003 \\ - 5,721 \\ \hline 1,282 \end{array}$$

3.
$$\begin{array}{r} \$832.74 \\ - 281.53 \\ \hline 551.21 \end{array}$$

4.
$$\begin{array}{r} 59,300 \\ - 42,712 \\ \hline 16,588 \end{array}$$

5.
$$\begin{array}{r} 36,006 \\ - 28,454 \\ \hline 7,552 \end{array}$$

6.
$$\begin{array}{r} 52,622 \\ - 11,655 \\ \hline 40,967 \end{array}$$

Find the difference.

7. $14,052 - 7,940 = 6,112$

8. $26,666 - 12,412 = 14,254$

Follow these steps for each exercise below.

- Write the greatest number possible using every digit in each box once.
- Write the least number possible using the same digits.
- Subtract the numbers.

9.

4	1	7
---	---	---

10.

8	2	5
---	---	---

EXAMPLE

a. greatest number
$$\begin{array}{r} 613 \\ 7411 \end{array}$$

b. least number
$$\begin{array}{r} -147 \end{array}$$

c. difference
$$\begin{array}{r} 94 \end{array}$$

a. greatest number
$$\underline{852}$$

b. least number
$$\begin{array}{r} -258 \end{array}$$

c. difference
$$\underline{594}$$

11.

6	4	2	8
---	---	---	---

12.

5	3	9	7
---	---	---	---

a. greatest number
$$\underline{8,642}$$

b. least number
$$\begin{array}{r} -2,468 \end{array}$$

c. difference
$$\underline{6,174}$$

a. greatest number
$$\underline{9,753}$$

b. least number
$$\begin{array}{r} -3,579 \end{array}$$

c. difference
$$\underline{6,174}$$

ANSWERS

Page 5

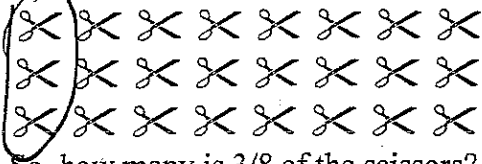
Name: _____

1) Circle $\frac{1}{3}$ of these mailboxes.





So, how many is $\frac{2}{3}$ of these mailboxes? 12 ($6+6$)

2) Circle $\frac{1}{8}$ of these scissors.



So, how many is $\frac{3}{8}$ of the scissors? 9 ($3+3+3$) or (3×3)

3) If there are 30 bells , how many bells are $\frac{1}{5}$ of that? 6 ($30 \div 5 = 6$)
So, how many are $\frac{3}{5}$? 18 (6×3)

4) If there are 48 folders , how many are $\frac{1}{8}$ of that? 6 ($48 \div 8 = 6$)
So, how many are $\frac{7}{8}$? 42 (6×7)

Find these amounts.

5) $\frac{1}{8}$ of 248 =

$$\begin{array}{r} 31 \\ 8 \overline{) 248} \\ \underline{-24} \\ 8 \\ \underline{-8} \\ 0 \end{array}$$

6) $\frac{1}{4}$ of 856 =

$$\begin{array}{r} 214 \\ 4 \overline{) 856} \\ \underline{-800} \\ 56 \\ \underline{-40} \\ 16 \\ \underline{-16} \\ 0 \end{array}$$

7) $\frac{1}{5}$ of 605 =

$$\begin{array}{r} 121 \\ 5 \overline{) 605} \\ \underline{-500} \\ 105 \\ \underline{-100} \\ 5 \\ \underline{-5} \\ 0 \end{array}$$

8) $\frac{1}{3}$ of 516 =

$$\begin{array}{r} 172 \\ 3 \overline{) 516} \\ \underline{-300} \\ 216 \\ \underline{-210} \\ 6 \\ \underline{-6} \\ 0 \end{array}$$

9) Circle which fractions are more than half (NOT equal to or less than $\frac{1}{2}$):

$\frac{2}{3}$ $\frac{12}{24}$ $\frac{12}{20}$ $\frac{4}{5}$ $\frac{4}{15}$ $\frac{5}{14}$ $\frac{2}{5}$ $\frac{7}{15}$ $\frac{14}{25}$

10) Put these fractions in order from least to greatest.

$\frac{4}{5}$ $\frac{1}{11}$ $\frac{1}{7}$ $\frac{4}{8}$ $\frac{13}{14}$ $\frac{1}{5}$ \rightarrow $\frac{1}{11}$ $\frac{1}{7}$ $\frac{1}{5}$ $\frac{4}{8}$ $\frac{4}{5}$ $\frac{13}{14}$

Hint: Think about: a) which are more or less than half,

b) how to compare fractions when the numerator is the same time, and

c) how to compare fractions with one piece less than a whole.

ANSWERS Page 6

School Store Problems

1) If we spend these amounts for supplies, what is the total amount we spend?
Pencils \$12.10, Pens \$15.80, Erasers \$9.75, Notebooks \$21.30

\$	12.10																			
	15.80																			
	9.75																			
	21.30																			
	\$58.95																			

2) If we started with \$75 to buy supplies, how much is left after we buy the supplies listed in problem 1?

\$	75.00																			
-	58.95																			
	\$16.05																			

3) If a pack of 9 pencils cost \$1.89, how much did each pencil cost?

	1.89																			
9	1.89																			
	\$0.21 or 21¢ for each pencil.																			

4) If each arrowhead eraser cost \$0.03 and we buy 40 of them, how much did we spend?

	40																			
x	0.03																			
	\$1.20 in all																			

5) If we buy 10 rulers (to sell at the store) and each cost \$0.55, how much did we spend?

	55																			
x	10																			
	\$5.50 for rulers																			

Answers Page 7

6) If 7 students each buy 6 paper clips, how many paper clips were sold?

			6																	
			x	7																
			<u></u>																	
			4	2																

7) If we take in \$8.45 on Monday and \$9.60 on Tuesday, how much did we collect for the two days combined?

			\$	8	.	4	5													
			+	9	.	6	0													
			<u></u>																	
			\$	1	8	.	0	5												

8) How much more did we collect on that Tuesday than that Monday?

			\$	9	.	6	0													
			-	8	.	4	5													
			<u></u>																	
			\$	1	.	1	5													

9) We began one day with \$144.88 in the store. We ended that day with \$160.17. How much did we make that day?

			\$	1	4	4	.	8	8											
			-	1	6	0	.	1	7											
			<u></u>																	
			\$	1	5	.	2	9												

10) We had \$117.54 at the end of a week. We spent \$38.66 to buy new supplies. How much was left after those purchases?

			\$	1	1	7	.	5	4											
			-	3	8	.	6	6												
			<u></u>																	
			\$	7	8	.	8	8												

Gertrude the gardener is laying out her garden. Solve these problems to help her. You can turn the paper sideways to better use the grids.

1) Gertrude has 156 lettuce small plants. She wants to have four rows of lettuce. How many seeds can she plant in each row?

$\begin{array}{r} 39 \\ 4 \overline{)156} \\ \underline{12} \\ 36 \\ \underline{36} \\ 0 \end{array}$	$\begin{array}{r} 39 \\ 3 \overline{)120} \\ \underline{9} \\ 30 \\ \underline{30} \\ 0 \end{array}$	39 plants in each row
---	--	-----------------------

2) Gertrude also has 39 green bean seeds. She wants to plant them in five rows. How many seeds can she plant in each row? She wants to use them all.

$\begin{array}{r} 7 \\ 5 \overline{)39} \\ \underline{35} \\ 4 \end{array}$	7 in 4 rows and 11 in the 5 th row or 7 in 1 row and 8 in the other 4 rows.
---	--

3) Gertrude already planted seeds for snap peas, her favorite vegetable. There are four rows of them and 17 seeds in each row. How many did she plant in all?

$\begin{array}{r} 68 \\ 4 \overline{)272} \\ \underline{24} \\ 32 \\ \underline{32} \\ 0 \end{array}$	or	$\begin{array}{r} 17 \\ 4 \overline{)68} \\ \underline{4} \\ 28 \\ \underline{28} \\ 0 \end{array}$	68 plants in all
---	----	---	------------------

4) Last year, Gertrude ended up with a total of 385 pea pods. Each snap pea plant grew about 11 pea pods. How many plants had she grown last summer?

$\begin{array}{r} 35 \\ 11 \overline{)385} \\ \underline{33} \\ 55 \\ \underline{55} \\ 0 \end{array}$	35 snap pea plants
--	--------------------

5) Last year, Gertrude planted four cherry tomatoes plants. (Those are the tiny tomatoes that explode when you bite them.) One plant produced 73 tomatoes, the second grew 54, a third had 59 and the fourth grew 66. How many did she grow in all?

$\begin{array}{r} 252 \\ 73 \\ + 54 \\ + 59 \\ + 66 \\ \hline 252 \end{array}$	252 cherry tomatoes in all.
--	-----------------------------

Answers Page 9

6) Last year, Gertrude gave 32 cherry tomatoes to her cousin Mary, 19 to her Aunt Jeanette, 27 to her brother Matthew and 27 to her other brother Peter. How many did generous Gertrude give away in all?

32	19	27	27	55	She gave away 105.
+	+	+	+	105	
				105	

7) After Gertrude gave away those tomatoes, how many did she have left?

2512	She had 147 left.
- 105	

147	(If you got #5 or #6 wrong, check that your subtraction with those numbers was right.)

8) Gertrude also loves large tomatoes. Each plant normally grows about 6 tomatoes. She wants to have at least 260 tomatoes when the summer is done. (She shares them with her family.) How many plants should she plant to be sure she gets at least 260?

3000	She needs at least 44 plants to be sure she gets at least 260.
- 6	

44	

9) Gertrude's garden is 73 inches long and 55 inches wide. What is the perimeter of the garden in inches? [Reminder: to find the perimeter of a rectangle, add the number of inches from all four sides.]

73	55	146	256 inches in perimeter.
+ 73	+ 55	+ 110	
-----	-----	-----	
146	110	256	

10) What is the area of Gertrude's garden in square inches? [Reminder: to find area of a rectangle, multiply the length of the two sides.]

73	55	4,015 square inches in area
x 55		

3650		
+		

4015		

Multiplication

Page 10 answer key

$$\begin{array}{r} \textcircled{1} \quad 417 \\ \times \quad 26 \\ \hline 102 \\ + 340 \\ \hline 442 \end{array}$$

$$\begin{array}{r} \textcircled{2} \quad 748 \\ \times \quad 19 \\ \hline 432 \\ + 480 \\ \hline 912 \end{array}$$

$$\begin{array}{r} \textcircled{3} \quad 578 \\ \times \quad 27 \\ \hline 546 \\ + 1560 \\ \hline 2,106 \end{array}$$

$$\begin{array}{r} \textcircled{4} \quad 107 \\ \times \quad 9 \\ \hline 963 \end{array}$$

$$\begin{array}{r} \textcircled{5} \quad 421 \\ \times \quad 13 \\ \hline 1,263 \\ + 4,210 \\ \hline 5,473 \end{array}$$

$$\begin{array}{r} \textcircled{6} \quad 75 \\ \times \quad 8 \\ \hline 600 \end{array}$$

Division

① $5 \frac{1}{9}$ or R.1

$$\begin{array}{r} 9 \overline{) 46} \\ - 45 \\ \hline 1 \end{array}$$

② $15 \frac{4}{6}$ or $\frac{2}{3}$ or R.4

$$\begin{array}{r} 6 \overline{) 94} \\ - 6 \\ \hline 34 \\ - 30 \\ \hline 4 \end{array}$$

③ $23 \frac{2}{5}$ or R.2

$$\begin{array}{r} 5 \overline{) 117} \\ - 10 \\ \hline 17 \\ - 15 \\ \hline 2 \end{array}$$

④ $110 \frac{1}{8}$ or R.1

$$\begin{array}{r} 8 \overline{) 881} \\ - 8 \\ \hline 81 \\ - 80 \\ \hline 1 \end{array}$$

⑤ $394 \div 2 =$

Decimals

1. Circle the decimal equal that equals $1\frac{1}{2}$: 1.2 1.5 1.02 1.05

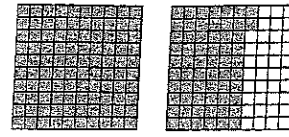
2. Circle the decimal that equals $10\frac{1}{100}$ 10.01 10.100 1.10 1.01

3. Write a mixed decimal for the model.



2.4

4. Write a mixed decimal for the model.



1.62

5. Write $3\frac{3}{10}$ as a decimal: 3.3

6. Write $16\frac{16}{100}$ as a decimal: 16.16

Put the decimals in order from least to greatest:

7. 0.7 0.07 7.7 1.07 0.77
0.07, 0.7, 0.77, 1.07, 7.7

8. 10.10 110.01 110.10 0.01 0.11
0.01, 0.11, 10.10, 110.01, 110.10

Solve:

9.
$$\begin{array}{r} 0.8 \\ + 0.7 \\ \hline 1.5 \end{array}$$

10.
$$\begin{array}{r} 7 \\ 1.83 \\ - 0.58 \\ \hline 1.25 \end{array}$$

11.
$$\begin{array}{r} 11 \\ 2.75 \\ + 1.35 \\ \hline 4.10 \end{array}$$

12.
$$\begin{array}{r} 2.4 \\ - 1.5 \\ \hline 0.9 \end{array}$$

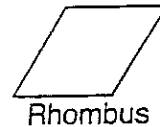
13.
$$\begin{array}{r} 4 \\ 0.57 \\ - 0.39 \\ \hline 0.18 \end{array}$$

14.
$$\begin{array}{r} 1 \\ 70.08 \\ + 3.44 \\ \hline 73.52 \end{array}$$

15. How much is $\frac{1}{10}$ of \$20.00? \$2.00

Types of Quadrilaterals

Quadrilaterals are polygons with 4 sides. Some quadrilaterals have special names. A **parallelogram** has parallel and congruent opposite sides. A **rhombus** has 4 congruent sides. A **rectangle** has 2 pairs of congruent sides and 4 right angles. A **square** has 4 congruent sides and 4 right angles.

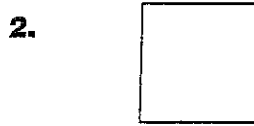


Remember that *parallel* lines never cross. *Congruent* sides are the same length.

Name the quadrilaterals.



parallelogram



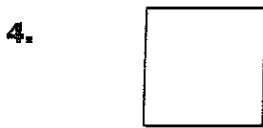
square



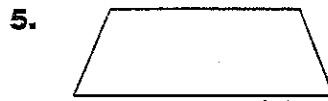
rectangle

Remember that a rhombus is a type of parallelogram. A square is a type of rectangle.

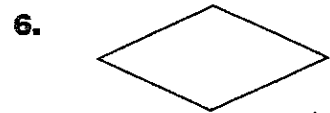
Is the figure a rectangle? Write *yes* or *no*.



yes



no - no right angles

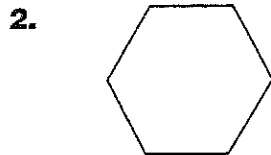


no - no right angles

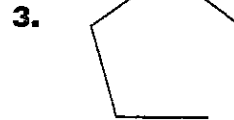
Which figures are polygons? If a figure is not a polygon, explain why.



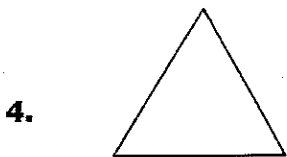
yes



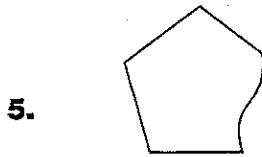
yes



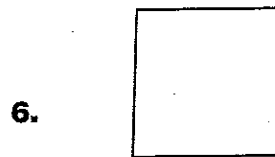
no - figure is not closed.



yes



no - curved line



yes

Multiplication

* Remember ... ask yourself ... is my answer reasonable.

$$\begin{array}{r} \textcircled{7} \text{ \$ } 1.76 \\ \times \quad 5 \\ \hline \text{ \$ } 8.80 \end{array}$$

$$\begin{array}{r} \textcircled{8} \text{ \$ } 20.14 \\ \times \quad 9 \\ \hline \text{ \$ } 181.26 \end{array}$$

$$\begin{array}{r} \textcircled{9} \text{ \$ } 13.05 \\ \times \quad 3 \\ \hline \text{ \$ } 39.15 \end{array}$$

$$\begin{array}{r} \textcircled{10} \text{ \$ } 5.98 \\ \times \quad 11 \\ \hline 598 \\ 5980 \\ \hline \text{ \$ } 65.78 \end{array}$$

Fractions in Containers

<p> $\frac{3}{10}$ $\frac{2}{6}$ $\frac{1}{4}$ $\frac{2}{5}$ </p>	<p> $\frac{4}{8}$ $\frac{3}{6}$ $\frac{10}{20}$ $\frac{2}{4}$ </p>	<p> $\frac{2}{3}$ $\frac{3}{5}$ $\frac{4}{5}$ $\frac{5}{7}$ $\frac{9}{10}$ </p>	<p> $\frac{5}{5}$ $\frac{2}{2}$ $\frac{8}{8}$ $\frac{3}{3}$ $\frac{10}{10}$ </p>	<p> $\frac{5}{2}$ $\frac{6}{3}$ $\frac{10}{5}$ $\frac{6}{5}$ $\frac{3}{2}$ </p>	<p>less than one-half</p> <p>one-half</p> <p>between one-half and one whole</p> <p>one whole</p> <p>more than one whole</p>
--	---	---	--	---	---

Write each fraction in the container in which it belongs.

Cross out each fraction as you use it. ($\frac{3}{6}$ has been done for you.)

There are five fractions for each container.

- | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|--------------------------------------|-------------------------------------|--------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------|--------------------------------------|-------------------------------------|--------------------------------------|--------------------------------------|---------------------------------------|-------------------------------------|-------------------------------------|--------------------------------------|
| $\frac{3}{6}$ | $\frac{5}{15}$ | $\frac{1}{4}$ | $\frac{2}{12}$ | $\frac{1}{5}$ | $\frac{2}{3}$ | $\frac{5}{7}$ | $\frac{6}{8}$ | $\frac{2}{5}$ | $\frac{2}{4}$ | $\frac{3}{8}$ | $\frac{10}{15}$ | $\frac{3}{10}$ | $\frac{2}{6}$ | $\frac{9}{10}$ | $\frac{6}{15}$ | $\frac{10}{10}$ | $\frac{4}{8}$ | $\frac{4}{5}$ | $\frac{8}{12}$ |
|-------------------------------------|--------------------------------------|-------------------------------------|--------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------|--------------------------------------|-------------------------------------|--------------------------------------|--------------------------------------|---------------------------------------|-------------------------------------|-------------------------------------|--------------------------------------|

Division:

$$\begin{array}{r} \$0.89 \\ 2 \overline{) \$1.78} \\ \underline{-1.6} \\ 18 \end{array}$$

$$\begin{array}{r} \$2.14 \\ 4 \overline{) \$9.56} \\ \underline{-8} \\ 5 \\ \underline{-4} \\ 16 \end{array}$$

$$\begin{array}{r} \$12.80 \\ 2 \overline{) \$25.60} \\ \underline{2} \\ 500 \\ \underline{4} \\ 160 \end{array}$$

$$\begin{array}{r} 16 \frac{5}{12} \text{ or R.5} \\ 12 \overline{) 197} \\ \underline{-12} \\ 77 \\ \underline{-72} \\ 5 \end{array}$$


⑩ $328 \div 19 =$

$$\begin{array}{r} 17 \frac{5}{19} \text{ or R.5} \\ 19 \overline{) 328} \\ \underline{-19} \\ 138 \\ \underline{-133} \\ 5 \end{array}$$

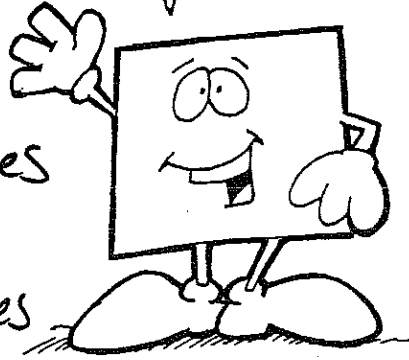
Geometry ... Just for fun ... Answer Key 1

RECTANGLE SEARCH

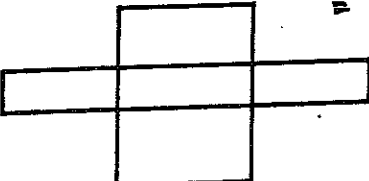
Count all the rectangles in each figure.

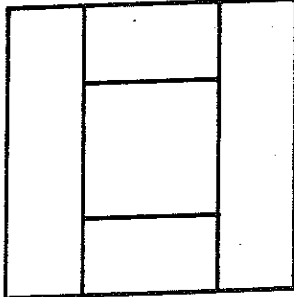
1.  = 3 rectangles

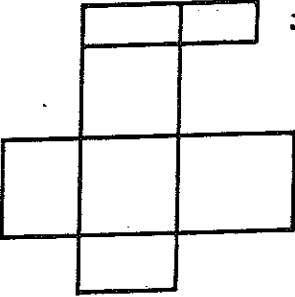
Remember, a square is a rectangle!

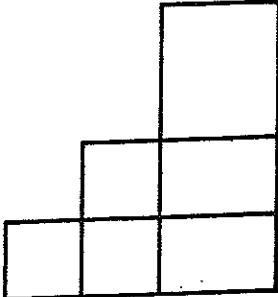


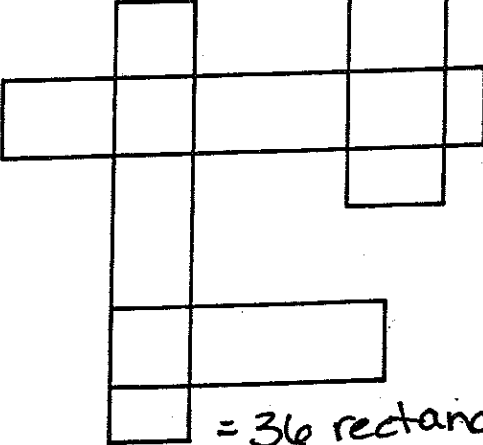
2.  = 6 rectangles

3.  = 11 rectangles

4.  = 11 rectangles

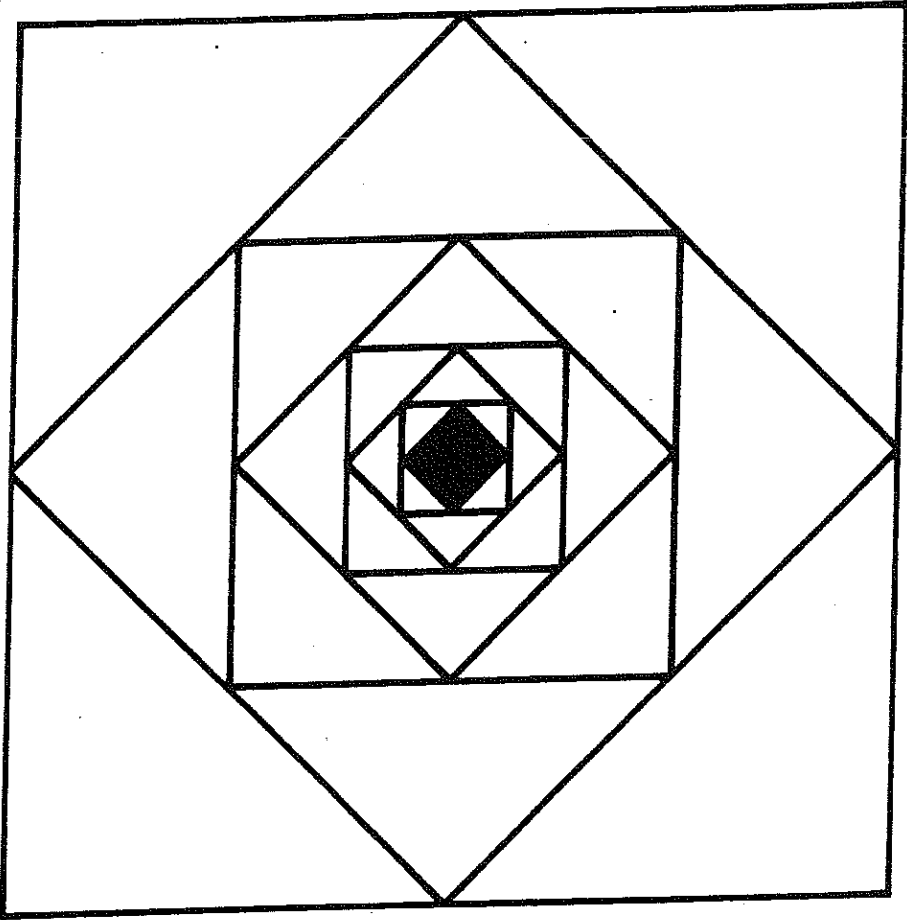
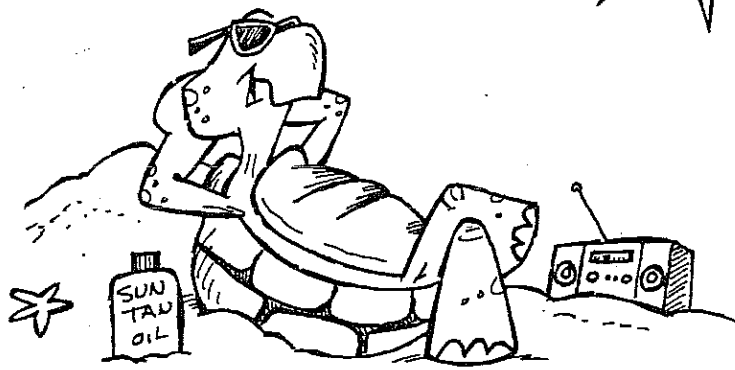
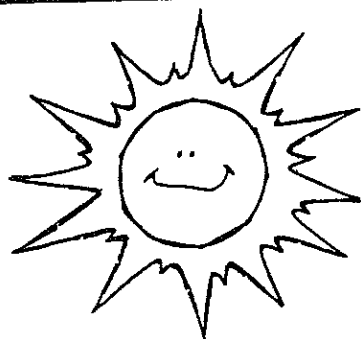
5.  = 17 rectangles

6.  = 15 rectangles

7.  = 36 rectangles

COMPARE THE SQUARES

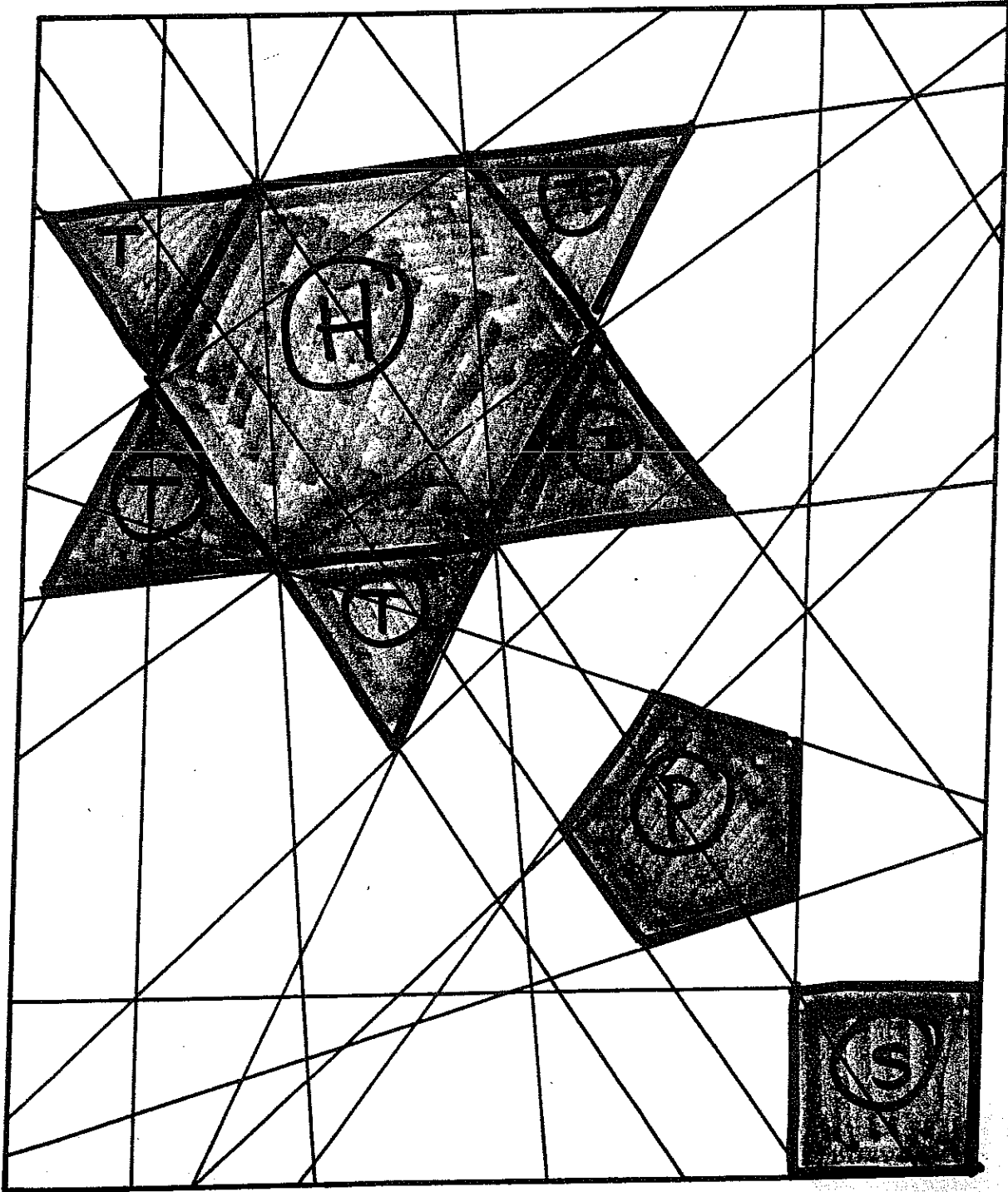
The area of the smallest (shaded) square measures 1 square unit. What is the area of the largest square?



* There are 128 square units!

HIDDEN FIGURES

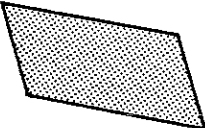



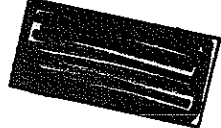



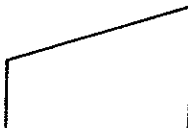
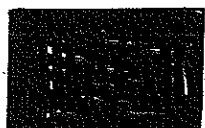


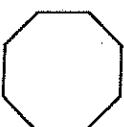
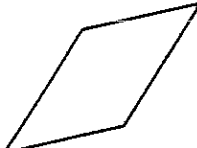
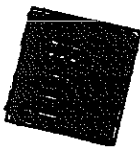
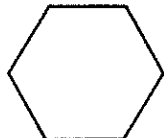
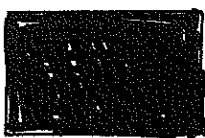



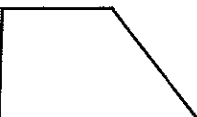
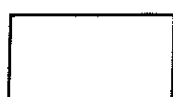
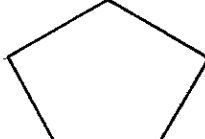
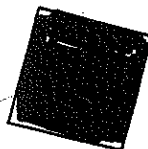
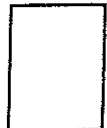
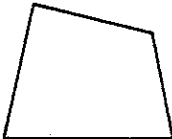
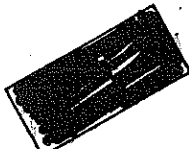
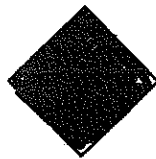
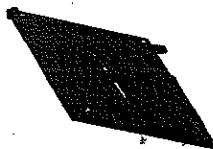
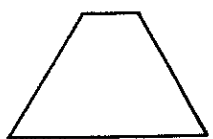
A regular polygon is one whose *sides* are all equal (congruent) and whose *angles* are all equal (congruent). In the drawing below, locate four regular polygons: a triangle, a quadrilateral (square), a pentagon (five sides), and a hexagon (six sides).



Just for fun... 4

Help the knight find his way out of the castle.

First shade each polygon that is named correctly. Then follow the path through the rooms that contain shaded polygons.

 Parallelogram	 Rectangle	 Square	 Parallelogram	 Rectangle
 Square	 Square	 Rectangle	 Square	 Parallelogram
 Rectangle	 Square	 Rectangle	 Rectangle	 Square
 Parallelogram	 Rectangle		 Square	 Parallelogram
 Rectangle	 Square	 Triangle	 Square	 Square
 Parallelogram	 Rectangle	 Square	 Parallelogram	 Rectangle