

Name _____

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Write the numeral:

Nine hundred two
thousand sixtySix hundred one
thousand thirtyOne million seven
thousand fortySix hundred
fourteen thousand
seventy-six

Write the next number in the pattern:

3, 6, 8, 16, 18, 36,
_____52, 58, 56, 62, 60, 66,
64, _____1, 2, 6, 24, 120,

2, 5, 9, 14, 20, _____

What is the sum of
962, 5,489, 93
and 8?From 9,000 take
4,658.What is the
product of 90
and 703?Take 6,359 from
11, 480.

_____ - 4090 = 3893

What is 7465 more
than 9608?748 increased by
946 is what
number?Write the number
that is 20,000 more
than 1,604,781.

Write >, <, or = to make the following true:

 $18 \div 0$ _____ $19 \div 0$ $0 \div 18$ _____ $0 \div 19$ $1 \div 7$ _____ $1 \div 8$ 1×32 _____ $1 \div 32$ 18×0 _____ 19×0 $18 - 0$ _____ $19 - 0$ 1×7 _____ 1×8 32×1 _____ $32 \div 1$

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$$7 \overline{)4235}$$

$$647 \div 7 =$$

$$7 \overline{)4942}$$

$$486,432 \div 8 =$$

$$746 + \underline{\hspace{1cm}} = 1240$$

How much less than 2469 is 1970?

What must be subtracted from 9,000 to yield 6543?

What must be added to 3344 to yield 7799?

Factors: 490, 78

Product: _____

$$\begin{array}{r} 508 \\ \times 609 \\ \hline \end{array}$$

What is the product of 6, 70, and 81?

$$\begin{array}{r} 906 \\ \times 704 \\ \hline \end{array}$$

Circle the number closest in value to:

17,985

98,950

27,000

23,950

17,895

98,299

26,799

24,000

18,009

98,400

27,020

23,750

18,195

99,000

26,810

23,899

17,699

99,960

27,060

24,100

What will the next figure look like?



P = 4" P = 6"







Hint: P = 8"

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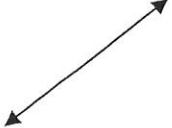
$92 = \underline{\hspace{1cm}} \div 46$	$\begin{array}{r} 604 \\ \times 27 \\ \hline \end{array}$	$\begin{array}{r} 786 \\ \times 90 \\ \hline \end{array}$	$\underline{\hspace{1cm}} \div 73 = 27$
$1672 = \underline{\hspace{1cm}} + 984$	$79 + 236 + \underline{\hspace{1cm}} = 502$	9416 decreased by 3487 is what number?	$\begin{array}{r} 6000 \\ - 497 \\ \hline \end{array}$
$12 \overline{)4860}$	$8034 \div \underline{\hspace{1cm}} = 26$	$73 \overline{)7695}$	$30,628 \div 76 = \underline{\hspace{1cm}}$
What is the average of:			
98, 84, 63, 79 $\underline{\hspace{1cm}}$	40, 25, 80, 75, 20 $\underline{\hspace{1cm}}$	FREE	248, 357, 192, 403 $\underline{\hspace{1cm}}$
Use <, >, or = to make the following true:			
$21 \div 4 \underline{\hspace{1cm}} 21 \div 5$ MMDC $\underline{\hspace{1cm}}$ MCDVII	$68 \div 11 \underline{\hspace{1cm}} 68 \div 12$ CMXLV $\underline{\hspace{1cm}}$ CMLV	$64 \div 6 \underline{\hspace{1cm}} 64 \div 5$ DCCCXVI $\underline{\hspace{1cm}}$ CD	$82 \div 7 \underline{\hspace{1cm}} 82 \div 6$ CCVIII $\underline{\hspace{1cm}}$ CCX

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From the product of 60 and 90 take 3600.	Take 492 from the sum of 308 and 291	What must be added to 4691 to yield 7406?	What must be subtracted from 9231 to yield 6473?
Round to the nearest:			
Thousand 3,407,651	Ten-thousand 2,346,891	Hundred 259,729	Hundred 12,467
$19 \overline{)1368}$	$5372 \div 68 =$	$64 \overline{)1234}$	$___ \times 68 = 6120$
$___ - 4827 = 9311$	$7642 = ___ - 3456$	$4985 = ___ - 2798$	What is 7876 more than 6298?
Identify the geometric symbols below:			
			

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$$\begin{array}{r} 607 \\ \times 807 \\ \hline \end{array}$$

$$\begin{array}{r} 349 \\ \times 408 \\ \hline \end{array}$$

$$\begin{array}{r} 607 \\ \times 409 \\ \hline \end{array}$$

$$\begin{array}{r} 407 \\ \times 509 \\ \hline \end{array}$$

What must be added to 3524 to obtain 5696?

Take \$58.65 from \$96.00.

21,468 decreased by 4896 is what number?

How much greater than 6482 is 9610?

What property is shown in each example?

$$18 + 12 = 12 + 18$$

$$(18+12)+5 = 18+(12+5)$$

$$11 \times 26 = 26 \times 11$$

$$3 \times (8 \times 4) = (3 \times 8) \times 4$$

Quotient: 92
Dividend: 7176
Divisor: _____

Factors: 647 and 84
Product: _____

Divisor: 48
Quotient: 76
Dividend: _____

Factors: 13 and 47
Product: _____

Tell how each figure was moved to get to its new position. Did it undergo a *slide*, a *flip* or a *turn*?

D D

E E



P U

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What property is shown in each example?

$$5 + 0 = 5$$

$$6 \times \frac{1}{6} = 1$$

$$\frac{5}{8} \times 1 = \frac{5}{8}$$

$$11 - 11 = 0$$

What number is next in the pattern?

100, 92, 93, 85, 86,
78, _____

2, 2, 4, 12, 48, 240,

200, 185, 190, 175,
180, 165,

FREE

$$\frac{7}{12} + \frac{4}{12} =$$

$$\frac{3}{8} + \frac{5}{8} =$$

$$\frac{1}{16} + \frac{4}{16} =$$

$$\frac{9}{15} + \frac{4}{15} =$$

Fill in the missing digits:

$$\begin{array}{r} 7463 \\ - 4\boxed{9}\boxed{ } \\ \hline 2566 \end{array}$$

$$\begin{array}{r} 6\boxed{ }71 \\ - 284\boxed{ } \\ \hline 3631 \end{array}$$

$$\begin{array}{r} 4\boxed{ }, 000 \\ - 74\boxed{ }8 \\ \hline 40,532 \end{array}$$

$$\begin{array}{r} \boxed{ }7,000 \\ - 2\boxed{ }48 \\ \hline 24,352 \end{array}$$

Use <, >, or = to make true statements:

1200'' _____ 400'

140 yd. _____ 720 ft.

DCCV _____ CDVII

CCCXLV _____ CDIX

300 hr. _____ 6 days

400 in. _____ 15 yd.

MMV _____ MDLXX

MCM _____ MDCCC

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Quotient: 94 Divisor: 59 Dividend: _____	Sum: 309 Addends: 49, 87 Missing Addend: _____	Divisor: 74 Dividend: 3562 Quotient: _____	Factors: 40 and 306 Product: _____
---	---	---	---

Circle the number closest to:

17,990	16,000	249,000	12,500
17,919 17,929	15,989 16,100	249,300 249,092	12,999 12,000
18,009 18,090	15,099 16,019	248,898 248,989	11,999 11,099

A smart shopper estimates the bill before getting in the check-out line. Estimate each bill:

Cheese \$.89 Onion dip \$.81 Bugles \$1.39 Salsa \$2.49	FREE	Chicken \$4.29 Milk \$2.15 Eggs \$2.79 Ice cream \$3.90	Cereal \$3.79 Bread \$2.05 Flour \$2.11 Sugar \$1.99 Cake mix \$.98
---	-------------	---	--

Write the numeral for:

Six hundred two thousand, seventy	Eight hundred three thousand, one hundred ninety five	Four million, four hundred ten thousand, twenty	Seven hundred sixteen thousand, three hundred twelve
--	--	--	---

Use <, >, or = to make true statements:

40 dm _____ 200 cm	40 cm _____ 2 dm	200 m _____ 1500 dm	405 cm _____ 5 m
5 km _____ 2000 m	9 km _____ 10,000 m	650 cm _____ 65 dm	620 dm _____ 62 cm

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What is the next number in the pattern?

38, 45, 53, 62, _____

7, 15, 12, 20, 17, 25,

2, 4, 12, 48, 240,

100, 98, 94, 88, 80,

Find the average of:

123, 564, 941, 376

484, 464, 950, 327,
525

481, 327, 508, 948

68, 97, 43, 92, 105

What is the sum of:

96, 547, 6217 and 8

432, 58, 106, and 209

914, 607, 46 and
1,052

Contrast your
procedure on this line
to your procedure on
the line above.

Estimate. (BRAIN only; no calculators)

$794 \times 304 =$

$602 \times 908 =$

$91 \overline{)35,899}$

$89 \overline{)46,101}$

Make a List or Table

At the Air and Space Museum, stickers are 10¢ and postcards are 12¢. If you spend exactly \$1.00, how many of each can you buy?

A jeans designer offers 5 styles of jeans in 5 different colors. How many different combinations of style and color are possible?

Guess and Check

Rita paid \$48 for a perm, \$16 for a manicure and \$9 for spray gel. Is her bill over or under \$100?

The Delaware Animal Shelter sent 21 cats and dogs to new homes. They sent 5 more cats than dogs. How many of each were adopted?

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Factors: 63 and 427 Product: _____	Quotient: 49 Dividend: 1127 Divisor: _____	Sum: 9135 Addend: 1537 Missing Addend: _____	Addends: 2378 and 7237 Sum: _____
--	--	---	---

Round to the nearest:			
MILLION	TEN-THOUSAND	HUNDRED	THOUSAND
214,700, 050	647, 901	1,538, 602	494, 681

Write the numeral for:			
Seven hundred two thousand, forty five	Twenty two million six	Seventy two thousand seventy two	Sixty eight thousand five hundred seven

$7 \times 8 \times \underline{\quad} = 672$	$\begin{array}{r} 708 \\ \times 405 \\ \hline \end{array}$	$7408 - \underline{\quad} = 3749$	$6481 = \underline{\quad} - 3797$
---	--	-----------------------------------	-----------------------------------

Tell whether mental math, estimation, pencil-and-paper or calculator would be best to solve the following:			
On Broadway, "A Chorus Line" ran for 6, 137 shows. If there were 9 shows a week, how many weeks did it run?	Seventy-five students tried out and forty were chosen. How many didn't make it?	U.S. oil use is 6.325 trillion barrels a year. Japan's use is 1.818 trillion. How much higher is U.S. use over Japan?	4,600 catalogs are being sent. Each costs \$.54 in postage. If the postage budget is \$2000, is there enough money to send them?

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$\begin{array}{r} 3987 \\ \times 64 \\ \hline \end{array}$	$14 \overline{)5628}$	4600 decreased by 4123 yields what number?	21,000 increased by 15,482 yields what number?
--	-----------------------	--	--

Find the missing digits:

$\begin{array}{r} 4964 \\ + 9 \square 3 \square \\ \hline 14,602 \end{array}$	$\begin{array}{r} 8461 \\ + 9 \square 7 \square \\ \hline 18,440 \end{array}$	$\begin{array}{r} 43 \square 2 \\ + 9 \square 6 \square \\ \hline 14,111 \end{array}$	$\begin{array}{r} 7413 \\ - 2 \square 9 \square \\ \hline 4819 \end{array}$
---	---	---	---

Use mental math or estimation

$\begin{array}{r} 496 \\ 205 \\ 891 \\ + 710 \\ \hline \end{array}$	$16 \overline{)3280}$	$70 \times 50 =$	Take 2946 from yesterday's answer.
---	-----------------------	------------------	------------------------------------

Which is closest to:

68,000	69,890	64,567	FREE
67,929	69,099	64,506	
68,999	70,010	65,000	
67,099	69,200	64,099	
68,010	70,001	65,500	

Use <, >, or = to make true statements.

27 nickels ___ \$2.00	400 125	80 30	80 quarters ___ \$30
16 quarters ___ \$5.00	nickels ___ quarters	nickels ___ quarters	700 nickels ___ \$30
	650 140	1600 600	
	dimes ___ quarters	dimes ___ quarters	

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Give an equivalent fraction:

$$\frac{5}{7} = \frac{\quad}{35}$$

$$\frac{3}{4} = \frac{27}{\quad}$$

$$\frac{7}{20} = \frac{\quad}{80}$$

$$\frac{2}{9} = \frac{6}{\quad}$$

Find the LCD:

$$\frac{1}{6}, \frac{1}{4}$$

$$\frac{1}{4}, \frac{2}{5}$$

$$\frac{1}{6}, \frac{1}{9}$$

$$\frac{3}{16}, \frac{5}{24}$$

What is the GCF which would reduce:

$$\frac{12}{16}$$

$$\frac{36}{81}$$

$$\frac{15}{25}$$

$$\frac{24}{40}$$

Change to whole or mixed numbers.

$$\frac{36}{8}$$

$$\frac{60}{5}$$

$$\frac{29}{8}$$

$$\frac{43}{10}$$

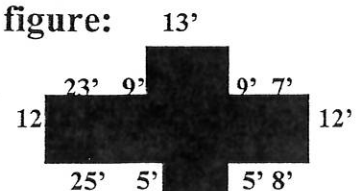
What "simpler problem" could be done to solve the following:

Find the sum of the numbers 1 to 99.

Find the number of minutes in January.

Girl Scout cookie sales totaled \$434.25. Each box cost \$4.35. How many boxes were sold?

Find the area of this figure:



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Take \$36.68 from
\$50.00What number must
be subtracted from
4896 to yield 1097?What is the
dividend when the
quotient is 96 and
the divisor is 48?The quotient is 63.
The dividend is 2583.
What is the divisor?

$$\frac{7}{12} + \frac{9}{12} =$$

$$4\frac{3}{8} + 9\frac{5}{8} =$$

$$\begin{array}{r} 3 \\ 4 \\ + 7 \\ 8 \\ \hline \end{array}$$

$$\begin{array}{r} 3\frac{5}{6} \\ + 4\frac{1}{8} \\ \hline \end{array}$$

$$\begin{array}{r} 9\frac{3}{16} \\ - 4\frac{1}{16} \\ \hline \end{array}$$

Take 3 from $10\frac{1}{3}$.

$$16\frac{5}{8} - 10 =$$

$$\frac{3}{5} - \frac{4}{15} =$$

Write the numeral for:

Twenty two
million six.Three hundred four
thousand sixty.Ten million four
hundred thousand
sixty.Three million four
hundred sixty
thousand, eight
hundred eleven.

Use >, <, or = to make the statement true.

50 gal. ____ 400 pt.

100 gal ____ 1000 pt.

6 gal. ____ 12 qt.

62 gal. ____ 198 qt.

64 qt. ____ 200 gal.

20 pt. ____ 3 gal.

FREE

↓
Name

Reduce to simplest form:

$$\frac{56}{84} =$$

$$\frac{36}{48} =$$

$$\frac{90}{105} =$$

$$\frac{34}{50} =$$

Circle the largest measure:

300 in.
30 ft.
8 yd.

160 gal.
500 qt.
1500 pt.

FREE

3 miles
5,000 yards
20,000 feet
200,000 inches

Arrange from least to greatest:

$$\frac{1}{2}, \frac{2}{3}, \frac{1}{10}, \frac{3}{5}$$

$$\frac{2}{7}, \frac{1}{8}, \frac{1}{3}, \frac{4}{9}$$

$$\frac{1}{8}, \frac{3}{9}, \frac{5}{30}, \frac{1}{2}$$

$$\frac{2}{5}, \frac{3}{10}, \frac{1}{3}, \frac{3}{8}$$

Change to improper fractions:

$$3\frac{1}{16} =$$

$$6\frac{5}{8} =$$

$$1\frac{1}{100} =$$

$$7\frac{3}{5} =$$

Solve and tell the type of subtraction used:

A CD player costs \$85.00. Al has \$49.50. How much more does he need?

Bill has \$68.48. Rosa has \$92.29. How much more than Bill has Rosa?

Terri has 409 coins. 100 of them are quarters. How many are not quarters?

Tanya has 640 baseball cards. Frank has 960. How many more cards does Tanya need to equal Frank's total?

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$16\frac{8}{11}$ decreased by $5\frac{6}{11}$ is what number?	$\square + 6\frac{1}{4} = 9\frac{1}{3}$	$\frac{7}{8} - \frac{3}{4} =$	How much larger than 11 is $16\frac{3}{8}$?
$16\frac{3}{4} + 10\frac{5}{6} =$	$15\frac{6}{15} + 8\frac{2}{3} =$	What is $6\frac{2}{3}$ more than $3\frac{1}{9}$?	$\frac{3}{4} + \frac{1}{8} + \frac{1}{2} =$
What must be added to 6478 to yield 9627?	$\begin{array}{r} 640 \\ \times 390 \\ \hline \end{array}$	$13 \overline{)6565}$	What number exceeds 3465 by 4870?
Find the LCM of each set of numbers:			
6, 30	12, 18, 3	3, 6, 9	25, 30
Use <, >, or = to make the following true:			
$\frac{2}{3} \underline{\hspace{1cm}} \frac{5}{6}$ $\frac{1}{16} \underline{\hspace{1cm}} \frac{1}{15}$	$\frac{6}{9} \underline{\hspace{1cm}} \frac{2}{3}$ $\frac{6}{19} \underline{\hspace{1cm}} \frac{6}{8}$	$\frac{3}{11} \underline{\hspace{1cm}} \frac{4}{11}$ $\frac{4}{11} \underline{\hspace{1cm}} \frac{4}{12}$	$\frac{8}{12} \underline{\hspace{1cm}} \frac{4}{6}$ $\frac{3}{8} \underline{\hspace{1cm}} \frac{4}{8}$

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Estimate each product:

$$299 \times 21$$

$$39 \times 41$$

$$\$291 \times 3$$

$$2005 \times 19$$

Express as improper fractions:

$$4\frac{3}{5}$$

$$1\frac{49}{50}$$

$$2\frac{5}{8}$$

$$2\frac{3}{4}$$

Estimate to the nearest whole number:

$$14\frac{1}{10} - 6\frac{4}{5}$$

$$4\frac{7}{12} - 1\frac{3}{4}$$

$$8\frac{3}{4} + 4\frac{2}{3}$$

$$1\frac{1}{8} + 7\frac{1}{10}$$

22,600 exceeds 14,946 by what number?

From the product of 60 and 55, take 1240.

Take the product of 60 and 40 from 5000.

64,240 increased by what number is equal to 70,000?

Solve AND tell the type of division used.

Seven waiters needed to divide \$149.80 in tips. How much did each get?

Bob bought 152 hot dogs wrapped in packs of 8. How many packs did he have?

Laura has a strip of ribbon 1 meter long. How many $\frac{1}{3}$ strips can be cut from it?

Sandra cut 33 ft. of rope into 11 equal lengths. How long was each piece?

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Give the equivalent fractions:

$$\frac{6}{8} = \frac{\quad}{48}$$

$$\frac{3}{16} = \frac{\quad}{48}$$

$$\frac{3}{4} = \frac{\quad}{12} = \frac{\quad}{48}$$

$$\frac{7}{8} = \frac{\quad}{120}$$

$$\frac{7}{12} = \frac{\quad}{48}$$

$$\frac{4}{13} = \frac{\quad}{65}$$

$$\frac{5}{6} = \frac{\quad}{18} = \frac{\quad}{60}$$

$$\frac{4}{9} = \frac{\quad}{63}$$

From $\frac{7}{8}$ take $\frac{1}{4}$.

$$\begin{array}{r} 13\frac{3}{8} \\ - 5\frac{1}{4} \\ \hline \end{array}$$

$13\frac{4}{9}$ increased by
 $10\frac{1}{3}$ equals _____.

$$\frac{3}{4} + \frac{1}{3} + \frac{7}{12} =$$

Reduce to lowest terms:

$$\frac{25}{85} =$$

$$\frac{50}{80} =$$

$$\frac{45}{55} =$$

$$\frac{28}{32} =$$

$$\frac{60}{150} =$$

$$\frac{48}{72} =$$

$$\frac{72}{108} =$$

$$\frac{14}{19} =$$

Give the next number in the pattern:

2, 6, 5, 15, 14, 42,
41, _____

1, 4, 9, 16, 25, _____

100, 50, 25, $12\frac{1}{2}$,

$6\frac{1}{4}$, $3\frac{1}{8}$, _____

$6\frac{1}{4}$, $6\frac{3}{4}$, 7, $7\frac{1}{2}$, $7\frac{3}{4}$,

$8\frac{1}{4}$, _____

Use >, <, or = to make the statements true:

$$\frac{5}{18} \quad \text{_____} \quad 5 \div 18$$

$$\frac{6}{8} \quad \text{_____} \quad \frac{7}{8}$$

$$\frac{5}{11} \quad \text{_____} \quad \frac{6}{11}$$

$$\frac{8}{6} \quad \text{_____} \quad \frac{8}{7}$$

$$\frac{5}{18} \quad \text{_____} \quad \frac{5}{19}$$

$$\frac{7}{8} \quad \text{_____} \quad \frac{3}{4}$$

$$\frac{2}{5} \quad \text{_____} \quad \frac{4}{10}$$

$$\frac{2}{3} \quad \text{_____} \quad \frac{5}{6}$$

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$\begin{array}{r} \$406 \\ \times \$908 \\ \hline \end{array}$	$\begin{array}{r} \$746 \\ \times \$580 \\ \hline \end{array}$	$\$84.60 \div 12 =$	$\$72.72 \div 8 =$
$\begin{array}{r} 16\frac{5}{12} \\ + 10\frac{5}{6} \\ \hline \end{array}$	$\begin{array}{r} 13\frac{3}{8} \\ + 11\frac{5}{8} \\ \hline \end{array}$	$\begin{array}{r} 6\frac{5}{12} \\ + 5\frac{5}{6} \\ \hline \end{array}$	$6\frac{2}{3}$ increased by $3\frac{1}{6}$ is what number?
What must be subtracted from $5\frac{1}{2}$ to yield $3\frac{3}{4}$?	$16\frac{1}{2}$ exceeds 9 by what number?	$7\frac{3}{10} + \underline{\hspace{1cm}} = 16\frac{7}{10}$	From $9\frac{5}{6}$ take $3\frac{2}{3}$.
Order of Operations			
$6 + 6 \times 6 =$	$30 - 14 \times 2 + 8 =$	$2 \times 3 + 9 \times 2 =$	$14 - 2 \times 7 + 0 =$
At a sporting goods store Tom bought items for \$34.95, \$14.75, \$2.69, and \$5.35. Estimate his bill.	From a 40 m bolt of fabric, Pam cut pieces measuring 10m, 12m, 8m, and 3m. How much was left on the bolt?	At a car wash, Pete checked in 23 cars the 1 st hour, 18 the 2 nd , 13 the 3 rd , and 26 the 4 th hour. What was the average number of cars each hour?	After 6m of cord have been used, the remaining cord is cut into 5 equal parts each measuring 26m. What was the original length of the cord?

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Round to the nearest:

HUNDRED 494,681	TEN THOUSAND 406,523,947	HUNDRED THOUSAND 409,491	THOUSAND 642,957
$\begin{array}{r} 14\frac{1}{8} \\ + 9\frac{3}{4} \\ \hline \end{array}$	$\begin{array}{r} 12\frac{5}{9} \\ + 6\frac{2}{3} \\ \hline \end{array}$	$\frac{3}{4} + \frac{7}{12} = \underline{\hspace{2cm}}$	$5\frac{4}{15} + 3\frac{2}{3} = \underline{\hspace{2cm}}$
What must be added to $6\frac{1}{4}$ to obtain $9\frac{3}{8}$?	FREE	$\frac{3}{8} + \underline{\hspace{1cm}} = \frac{15}{16}$	$10\frac{3}{8}$ exceeds 7 by how much?
Divisor: 46: Dividend: 4508 Quotient: _____	Factors: 409 and 603 Product: _____	Quotient: 36 Dividend: 8640 Divisor: _____	Product: 4608 Factor: 48 Factor: _____
Use >, <, or = to make the statements true:			
DCL _____ DCVIII	CXLVI _____ XC	MCMD _____ MMXL	CCCLXVI _____ CCCX
MCMV _____ MDCCC	MCDL _____ MCM	DXLVI _____ CD	MCD _____ MDC

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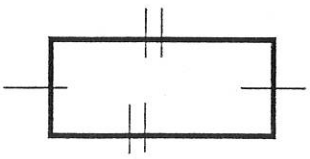

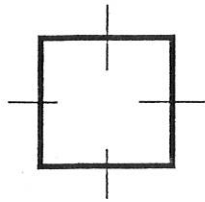
$\begin{array}{r} 75 \\ 43 \overline{) } ? \end{array}$	<p>What must be added to 46,235 to get 50,682?</p>	$6531 \div 78 =$	$\begin{array}{r} 403 \\ \times 708 \\ \hline \end{array}$
<p>How much greater than 14 is $19\frac{7}{8}$?</p>	$7\frac{5}{8} - 4 = \underline{\hspace{2cm}}$	<p>What must be added to 16 to total $28\frac{3}{4}$?</p>	<p>By how much does $16\frac{1}{9}$ exceed 5?</p>
<p>What is $\frac{2}{5}$ more than $\frac{7}{10}$?</p>	$3\frac{5}{8}$ increased by $4\frac{1}{4}$ is what number?	$\frac{1}{2} + \frac{1}{3} + \frac{1}{6} =$	<p>What is \$8.45 more than \$16.82?</p>
<p>Take twenty-one thousand from six hundred ten thousand.</p>	<p>How much greater than twenty-one thousand four hundred sixty is thirty six thousand two hundred thirteen?</p>	<p>Forty seven thousand two hundred eighty increased by what number will yield sixty eight thousand one hundred forty-two?</p>	<p>What must be added to thirty four thousand to get sixty eight thousand?</p>
<p>Use >, <, or = to make true statements.</p>			
$0 \div 6 \underline{\hspace{1cm}} \frac{0}{7}$	$\frac{0}{8} \underline{\hspace{1cm}} \frac{0}{9}$	$\frac{6}{11} \underline{\hspace{1cm}} \frac{7}{12}$	$\frac{13}{15} \underline{\hspace{1cm}} \frac{14}{16}$
$\frac{6}{9} \underline{\hspace{1cm}} \frac{2}{3}$	$\frac{2}{9} \underline{\hspace{1cm}} \frac{3}{9}$	$\frac{5}{7} \underline{\hspace{1cm}} \frac{6}{8}$	$\frac{6}{9} \underline{\hspace{1cm}} \frac{6}{8}$

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$4876 \div 28 =$	$17 \overline{)3451}$	$64 \overline{)128128}$	Product: 3780 Factors: 10, 27 and _____
____ + 137 + 469 = 1214	What must be subtracted from 80,000 to get 72,462?	From 956 take 323.	How much less than 10,009 is 7,468?
What number comes next in the pattern?			
$6\frac{2}{7}, 6\frac{4}{7}, 6\frac{6}{7}, 7\frac{1}{7}, 7\frac{3}{7},$ _____	$\frac{2}{5}, 2, 10, 50,$ _____	$\frac{1}{4}, \frac{1}{2}, 1, 2, 4,$ _____	625, 125, 25, 5, _____
What is the difference between $6\frac{1}{8}$ and $10\frac{3}{4}$?	$16\frac{5}{8}$ <u>-10</u>	16 <u>- $10\frac{5}{8}$</u>	$17\frac{1}{9} - \underline{\hspace{1cm}} = 8\frac{5}{6}$
Identify the figures below:			
			

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What property is shown below?

$$* + ! = ! + *$$

$$18 + 0 = 18$$

$$(\diamond \times \S) \times \# = \diamond \times (\S \times \#)$$

$$12 \times 17 = 17 \times 12$$

$$3(4 + 6)$$

$$[4(2 + 3) + 5]$$

$$4 + 3 \times 8 - 4 + 2$$

$$6 \times 5 + 2 - 4 \times 0$$

$$14 - 5\frac{3}{10} =$$

$$19 - 10\frac{6}{11} =$$

$$6\frac{5}{12} = \underline{\hspace{1cm}} - 2\frac{5}{8}$$

What is $13\frac{1}{4}$ less than 15?

$$3\frac{4}{5} + 5\frac{1}{8} =$$

$$3\frac{5}{6} + 4\frac{5}{9} =$$

What is $13\frac{1}{4}$ more than 15?

$$\begin{array}{r} 7\frac{11}{24} \\ + 10\frac{1}{6} \\ \hline \end{array}$$

Circle the fraction represented by each note:



$$\frac{1}{2} \quad \frac{1}{4} \quad \frac{1}{8}$$



$$\frac{1}{2} \quad \frac{1}{4} \quad \frac{1}{8}$$



$$\frac{1}{4} \quad \frac{1}{1} \quad \frac{1}{16} \quad \frac{1}{12}$$



$$\frac{1}{4} \quad \frac{1}{1} \quad \frac{1}{16} \quad \frac{1}{12}$$

↓
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$\begin{array}{r} 14\frac{3}{10} \\ -5 \\ \hline \end{array}$	$\begin{array}{r} 9\frac{4}{5} \\ -3\frac{5}{6} \\ \hline \end{array}$	<p>From 19 take $7\frac{5}{6}$.</p>	<p>What is $6\frac{1}{4}$ less than 12?</p>
<p>From the product of 92 and 640 take 22,000.</p>	<p>What must be added to 26,481 to total 40,000?</p>	<p>What is the sum of 28, 2489, 6 and 942?</p>	<p>To the product of 90 and 70 add 5946.</p>
$7\frac{1}{8} = \underline{\hspace{1cm}} - 4\frac{3}{4}$	<p>What is $13\frac{1}{6}$ greater than $4\frac{7}{8}$?</p>	$6\frac{3}{11} = \underline{\hspace{1cm}} - 2\frac{1}{2}$	<p>What is $3\frac{5}{9}$ increased by $6\frac{2}{3}$?</p>

Estimate (Brain only, please!)

$69 \overline{)139,890}$	$31 \overline{)92,090}$	$79 \times 19 \times 51$	$88 \times 42 \times 19$
--------------------------	-------------------------	--------------------------	--------------------------

Multiply each number by 10, 100 and 1000 using the shortcuts you know:

5	_____	16	_____	304	_____	29	_____
	_____		_____		_____		_____
	_____		_____		_____		_____

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$\begin{array}{r} 640 \\ \times 380 \\ \hline \end{array}$	$9648 \div 18 =$	$\begin{array}{r} 307 \\ \times 908 \\ \hline \end{array}$	$14 \overline{)2187}$
$16\frac{3}{7} - 8 =$	$11\frac{3}{8} - 6 =$	What must be subtracted from $16\frac{3}{8}$ to yield 4?	From $19\frac{5}{6}$ take 7.
$\frac{3}{4} + \frac{5}{6} + \frac{1}{2} =$	$\text{_____} - 6\frac{5}{8} = 2\frac{1}{5}$	What is $7\frac{3}{4}$ greater than $6\frac{7}{8}$?	$\frac{12}{25} = \text{_____} - \frac{2}{5}$
Round to the nearest:			
MILLION 649, 876,415	HUNDRED-THOUSAND 16,467,941	THOUSAND 66,489,604	TEN-THOUSAND 718,047,903
Use >, <, or = to make statements true.			
6 m _____ 6000 mm 16 kg _____ 1600 g	3500 mm _____ 35 m 6000 cm _____ 500 dm	350 dm _____ 4 m 1600 mm _____ 50 dm	500 cm _____ 30 dm 600 ml _____ 6 liters

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$\begin{array}{r} 12\frac{5}{8} \\ -6\frac{11}{12} \\ \hline \end{array}$	How much greater than $6\frac{2}{9}$ is $10\frac{5}{6}$?	$14 - 7\frac{5}{9} =$	$14\frac{5}{9} - 7 =$
Product: 6480 Factors: 9, 24, _____	$\begin{array}{r} 123 \overline{)456,789} \end{array}$	$74 = 6808 \div \underline{\hspace{2cm}}$	$\begin{array}{r} 48 \overline{)86421} \end{array}$
$\begin{array}{r} \frac{19}{24} \\ \frac{1}{6} \\ + \frac{5}{8} \\ \hline \end{array}$	What is $\frac{5}{6}$ more than $\frac{5}{9}$?	FREE	$\begin{array}{r} 3\frac{1}{3} \\ 4\frac{5}{6} \\ + 2\frac{1}{4} \\ \hline \end{array}$
Write the reciprocal of:			
$\frac{6}{7}$	2	$9\frac{1}{3}$	$\frac{5}{2}$
Use >, <, or = to make statements true.			
700 in. ____ 20 ft.	700 ft. ____ 180 yd.	450 in. ____ 50 yd.	6000 ft. ____ 300 yd.
960 yd. ____ 2000 ft.	6000 in ____ 220 yd.	60 yd. ____ 180 ft.	5000 in. ____ 400 ft.

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$7\frac{2}{5}$ exceeds $4\frac{5}{8}$ by how much?	$\begin{array}{r} 12\frac{3}{8} \\ - 4\frac{7}{12} \\ \hline \end{array}$	$16\frac{1}{8} - 10\frac{5}{6} =$	$21\frac{7}{12}$ decreased by what number is $9\frac{3}{4}$?
$\begin{array}{r} 60000 \\ -4693 \\ \hline \end{array}$	$\underline{\hspace{2cm}} \div 63 = 206$	$68 = \underline{\hspace{2cm}} \div 34$	$48 \overline{)86421}$
$3\frac{1}{4} \times \frac{8}{9} =$	$\frac{3}{5} \times \frac{10}{15} \times \frac{6}{7} =$	$7 \times 9\frac{3}{8} =$	Factors: $4\frac{1}{4}, 6\frac{2}{3}$ Product: $\underline{\hspace{2cm}}$
$\underline{\hspace{2cm}} - 3\frac{1}{12} = 7\frac{5}{8}$	$7\frac{1}{4} + 1\frac{1}{2} =$	$8\frac{3}{4} + 4\frac{2}{3} =$	$\underline{\hspace{2cm}} - 4\frac{2}{3} = 10\frac{3}{8}$
Use >, <, or = to make true statements.			
$2 \div \frac{1}{2} \underline{\hspace{1cm}} 2 \times \frac{1}{2}$ $6 \times 0 \underline{\hspace{1cm}} 0 \div 5$	$\frac{7}{8} \underline{\hspace{1cm}} \frac{9}{10}$ $\frac{1}{13} \underline{\hspace{1cm}} \frac{1}{14}$	$3\frac{1}{2} \times 0 \underline{\hspace{1cm}} 3\frac{1}{4}$ $\frac{2}{9} \underline{\hspace{1cm}} \frac{2}{8}$	$\frac{1}{8} \times 0 \underline{\hspace{1cm}} 0 \times \frac{1}{9}$ $\frac{1}{2} \times 10 \underline{\hspace{1cm}} \frac{1}{2} \div 10$

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Estimate the sum or difference:

$$20 \frac{1}{20} + 1 \frac{1}{3} =$$

$$18 \frac{1}{4} - 12 \frac{3}{5} =$$

$$11 \frac{7}{8} - \frac{5}{6} =$$

$$4 \frac{2}{3} + 10 \frac{3}{8} =$$

$$\frac{3}{4} \times \frac{6}{9} \times \frac{12}{15} =$$

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

$$1 \frac{3}{5} \times 2 \frac{1}{4} \times \frac{2}{3} =$$

$$4 \frac{3}{8} \times 1 \frac{5}{7} \times \frac{2}{3} =$$

$$\begin{array}{r} 904 \\ \times 706 \\ \hline \end{array}$$

$$18 \times \underline{\hspace{2cm}} = 5526$$

$$30,000 = 2974 + \underline{\hspace{2cm}}$$

Addends: 14,429
and 21,671
Sum:

$$7 \frac{1}{2} \div 3 =$$

$$3 \div 7 \frac{1}{2} =$$

$$6 \frac{2}{3} \div 2 \frac{2}{5} =$$

$$5 \frac{1}{4} \div 7 \frac{1}{2} =$$

Use >, <, or = to make true statements.

$$5 \div \frac{1}{2} \underline{\hspace{1cm}} 6 \div \frac{1}{2}$$

$$7 \frac{1}{7} \underline{\hspace{1cm}} \frac{8}{7}$$

$$7 \frac{9}{7} \underline{\hspace{1cm}} 8 \frac{2}{7}$$

$$\frac{2}{3} \times \frac{2}{3} \underline{\hspace{1cm}} \frac{2}{3} \div \frac{2}{3}$$

$$\frac{1}{2} \times \frac{1}{2} \underline{\hspace{1cm}} \frac{1}{2} \div \frac{1}{2}$$

$$\frac{2}{3} \underline{\hspace{1cm}} \frac{14}{16}$$

$$6 \div 8 \underline{\hspace{1cm}} \frac{6}{8}$$

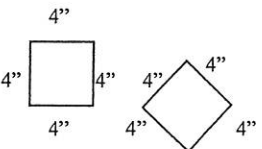
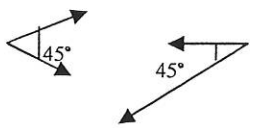
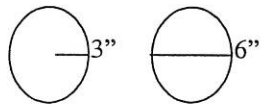
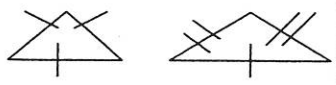
$$\frac{2}{5} \underline{\hspace{1cm}} 2 \div 5$$

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$\begin{array}{r} 9\frac{1}{12} \\ -4\frac{5}{16} \\ \hline \end{array}$	$22 - 11\frac{5}{16} =$	$22\frac{5}{16} - 11 =$	$\begin{array}{r} 16\frac{3}{8} \\ -5\frac{7}{12} \\ \hline \end{array}$
$87 = \underline{\hspace{1cm}} \div 42$	$\underline{\hspace{1cm}} - 24,691 = 75,908$	$15 \overline{)304560}$	<p>72,000 exceeds 48,932 by how much?</p>
$4\frac{2}{7} \div 3 =$	$3 \div 4\frac{2}{7} =$	$2\frac{1}{4} \div 9 =$	$6\frac{7}{8} \div \underline{\hspace{1cm}} = 2\frac{1}{5}$
<p>Decide whether the two figures are congruent:</p>			
			
<p>The <i>commutative</i> property of addition states that the <u>order</u> of the addends will not affect the <u> </u>.</p>	<p>The <i>associative</i> property of multiplication states that the <u>grouping</u> of the <u> </u> will not affect the product.</p>	<p>The <i>identity</i> property uses <u> </u> in addition and <u> </u> in multiplication.</p>	<p>“Increased by,” “greater than,” and “plus” are clues to the operation of <u> </u>.</p>

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$\begin{array}{r} 7\frac{3}{8} \\ -4\frac{5}{6} \\ \hline \end{array}$	$6\frac{3}{7}$ decreased by $2\frac{1}{2}$ is what number?	From 9 take $4\frac{5}{9}$.	$4\frac{3}{10} = \underline{\hspace{2cm}} + 2\frac{5}{6}$
$3\frac{1}{3} = \underline{\hspace{2cm}} \div 5\frac{3}{4}$	Factors: $\frac{3}{8}, \frac{1}{4}$ Product: _____	$5\frac{1}{5} \div \underline{\hspace{2cm}} = \frac{3}{10}$	$\frac{3}{8} \times \frac{4}{9} \times 1\frac{1}{2} \times \underline{\hspace{2cm}} = 0$
Find the missing digit:			
$\begin{array}{r} 7841 \\ -\square 6\square 7 \\ \hline 3154 \end{array}$	$\begin{array}{r} 2699 \\ +2\square\square 9 \\ \hline 4918 \end{array}$	$\begin{array}{r} 9212 \\ -613\square \\ \hline 3\square 77 \end{array}$	$\begin{array}{r} \square 2,462 \\ 7,\square 24 \\ +137,92\square \\ \hline 158,210 \end{array}$
Order from greatest to least:			
$\frac{1}{3}, \frac{3}{8}, \frac{1}{6}, \frac{2}{5}$	$\frac{5}{6}, \frac{9}{10}, \frac{2}{3}, \frac{7}{8}$	FREE	$\frac{1}{3}, \frac{3}{8}, \frac{1}{4}, \frac{3}{10}$
Why does a factor of 0 make multiplication easy?	“Decreased,” “take from,” and “less than” are clues to the operation of _____.	What do you notice about the answers to $7 \div 3\frac{1}{2}$ and $3\frac{1}{2} \div 7$?	$2\frac{1}{3} = \underline{\hspace{2cm}} \div 5\frac{3}{4}$ If you didn’t recognize this as a multiplication problem, how could setting up a simpler problem help you? What could the simpler problem be?

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$\begin{array}{r} 408 \\ \times 307 \\ \hline \end{array}$	$\underline{\hspace{2cm}} \div 202 = 17$	$13 \overline{)3459}$	<p>Estimate the quotient</p> $69 \overline{)139462}$
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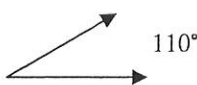

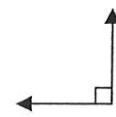
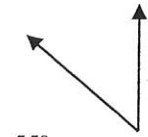
Circle the greatest value:

<table><tr><td>$\frac{1}{3} + 4$</td><td>$4 - \frac{1}{3}$</td></tr><tr><td>$\frac{1}{3} \times 4$</td><td>$\frac{1}{3} \div 4$</td></tr></table>	$\frac{1}{3} + 4$	$4 - \frac{1}{3}$	$\frac{1}{3} \times 4$	$\frac{1}{3} \div 4$	<table><tr><td>$3 + \frac{1}{3}$</td><td>$3 - \frac{1}{3}$</td></tr><tr><td>$3 \times \frac{1}{3}$</td><td>$3 \div \frac{1}{3}$</td></tr></table>	$3 + \frac{1}{3}$	$3 - \frac{1}{3}$	$3 \times \frac{1}{3}$	$3 \div \frac{1}{3}$	FREE	<table><tr><td>$\frac{3}{4} + 4$</td><td>$4 - \frac{3}{4}$</td></tr><tr><td>$\frac{3}{4} \times 4$</td><td>$\frac{3}{4} \div 4$</td></tr></table>	$\frac{3}{4} + 4$	$4 - \frac{3}{4}$	$\frac{3}{4} \times 4$	$\frac{3}{4} \div 4$
$\frac{1}{3} + 4$	$4 - \frac{1}{3}$														
$\frac{1}{3} \times 4$	$\frac{1}{3} \div 4$														
$3 + \frac{1}{3}$	$3 - \frac{1}{3}$														
$3 \times \frac{1}{3}$	$3 \div \frac{1}{3}$														
$\frac{3}{4} + 4$	$4 - \frac{3}{4}$														
$\frac{3}{4} \times 4$	$\frac{3}{4} \div 4$														

What is $9\frac{3}{7}$ less than 12?	$16\frac{1}{8}$ decreased by what number is $6\frac{5}{6}$?	$3\frac{4}{9} + \underline{\hspace{1cm}} = 6\frac{1}{3}$	From $7\frac{1}{6}$ take $3\frac{2}{3}$.
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From the product of 60 and 72 take 2498.	Factors: 90, 63 Product: _____	$3\frac{1}{7} \times \frac{4}{5} \times 6\frac{1}{2} \times 0 = \underline{\hspace{2cm}}$	Estimate the product $48 \times 21 \times 89 =$
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Is the given measure of each angle reasonable?

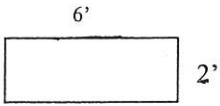
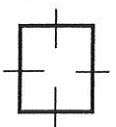
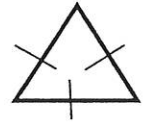
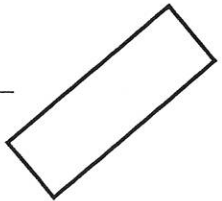
			
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$1\frac{1}{2} \times 1\frac{1}{3} \times 1\frac{1}{4} =$	$16 \div \frac{1}{2} =$	$16 \div 2 =$	$\frac{1}{4} \div \frac{1}{4} \times \frac{1}{4} =$
$16 - 10\frac{5}{6} =$	$16\frac{5}{6} - 10 =$	Subtract $7\frac{5}{12}$ from $10\frac{5}{8}$.	How much more than $4\frac{3}{4}$ is $6\frac{5}{6}$?
Use estimation or mental math:			
$30 \overline{)120120}$	$902 \times 697 =$	$93 \overline{)24680}$	$70 \times 60 - 2000 =$
$6\frac{1}{4} \div 2\frac{1}{5} =$	$18 \div 2\frac{1}{4} =$	$1\frac{3}{7} \div 10 =$	$\frac{3}{5} \div 1\frac{2}{3} =$
 <p>P = _____</p>	 <p>P = 20 yd. s = _____</p>	 <p>s = 3" P = _____</p>	<p>P = 40" l = 15" w = _____</p> 

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From 19 take $10\frac{5}{12}$.

$$\frac{12}{25} - \frac{2}{5} =$$

Take $6\frac{3}{5}$ from 9.

From $9\frac{3}{5}$ take 6.

Circle the greatest value:

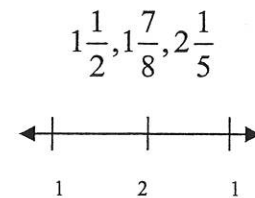
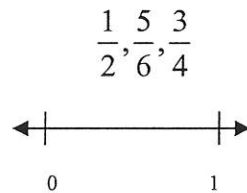
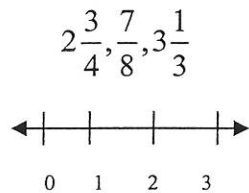
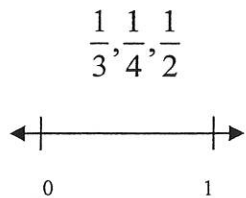
$2 + \frac{1}{2}$	$2 - \frac{1}{2}$
$2 \times \frac{1}{2}$	$2 \div \frac{1}{2}$

$6 + \frac{3}{4}$	$6 - \frac{3}{4}$
$6 \times \frac{3}{4}$	$6 \div \frac{3}{4}$

$5 - \frac{1}{4}$	$\frac{1}{4} \div 5$
$\frac{1}{4} \times 5$	$\frac{1}{4} + 5$

$\frac{2}{3} \times 9$	$9 - \frac{2}{3}$
$\frac{2}{3} \div 9$	$\frac{2}{3} + 9$

Place each group of fractions on a number line.



Use acute, obtuse or right to describe an angle measuring:

45°

90°

21°

170°

Give an example of the zero property of multiplication.

Give an example of the zero property ("identity") in addition.

The example $3 \times (4+5) = (3 \times 4) + (3 \times 5)$ shows the use of the _____ property.

The commutative and associative properties apply only to the operations of _____ and _____.

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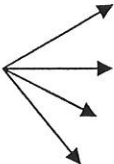
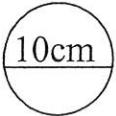
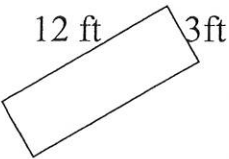
Date _____

$\$18.49 + \$30.20 =$	$\$14.00 + \$0.56 =$	$\$33.60 + \$9.49 =$	$\$0.30 + \$1.20 + \$0.83 =$
$\$14.53 - \$12.65 =$	$\$25.60 - \2.30	FREE	$\$12.56 - \$10.21 =$

A sandwich menu includes chicken salad, tuna salad, turkey and cheese or ham and cheese. With the sandwiches coffee, milk, juice or soda is served. What is the probability that a customer will order:

Ham and cheese with coffee	Egg salad	Tuna salad and soda	Not chicken salad and juice.
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Use this row of blocks to draw a tree diagram of the problem above.

<p>Chicken salad</p> 	<p>Egg salad</p>	<p>Ham and cheese</p>	<p>Turkey and cheese</p>
 <p>C = _____</p>	<p>Side of square = 5 cm.</p> <p>Area = _____</p>	 <p>Area = _____</p>	<p>Congratulations and good luck next year. God bless your efforts. Don't forget to thank your teacher.</p> 