

Name _____

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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>
$7\frac{1}{8} = \underline{\quad} - 4\frac{3}{4}$	<p>What is $13\frac{1}{6}$ greater than $4\frac{7}{8}$?</p>	$6\frac{3}{11} = \underline{\quad} - 2\frac{1}{2}$	<p>What is $3\frac{5}{9}$ increased by $6\frac{2}{3}$?</p>
<p>Estimate (Brain only, please!)</p>			
$69 \overline{)139,890}$	$31 \overline{)92,090}$	$79 \times 19 \times 51$	$88 \times 42 \times 19$
<p>Multiply each number by 10, 100 and 1000 using the shortcuts you know:</p>			
<p>5 _____ _____</p>	<p>16 _____ _____</p>	<p>304 _____ _____</p>	<p>29 _____ _____</p>

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

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

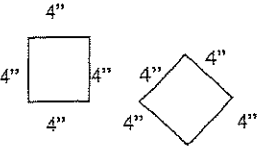
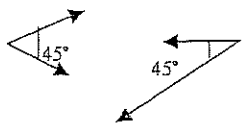
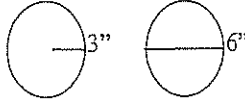
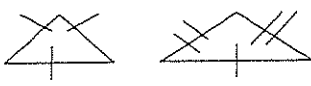
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Estimate the sum or difference:			
$20\frac{1}{20} + 1\frac{1}{3} =$	$18\frac{1}{4} - 12\frac{3}{5} =$	$11\frac{7}{8} - \frac{5}{6} =$	$4\frac{2}{3} + 10\frac{3}{8} =$
$\frac{3}{4} \times \frac{6}{9} \times \frac{12}{15} =$	$\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} =$	$1\frac{3}{5} \times 2\frac{1}{4} \times \frac{2}{3} =$	$4\frac{3}{8} \times 1\frac{5}{7} \times \frac{2}{3} =$
$\begin{array}{r} 904 \\ \times 706 \\ \hline \end{array}$	$18 \times \underline{\quad} = 5526$	$30,000 = 2974 + \underline{\quad}$	Addends: 14,429 and 21,671 Sum: <u> </u>
$7\frac{1}{2} \div 3 =$	$3 \div 7\frac{1}{2} =$	$6\frac{2}{3} \div 2\frac{2}{5} =$	$5\frac{1}{4} \div 7\frac{1}{2} =$
Use >, <, or = to make true statements.			
$5 \div \frac{1}{2} \underline{\quad} 6 \div \frac{1}{2}$	$7\frac{1}{7} \underline{\quad} \frac{8}{7}$	$7\frac{9}{7} \underline{\quad} 8\frac{2}{7}$	$\frac{2}{3} \times \frac{2}{3} \underline{\quad} \frac{2}{3} \div \frac{2}{3}$
$\frac{1}{2} \times \frac{1}{2} \underline{\quad} \frac{1}{2} \div \frac{1}{2}$	$\frac{2}{3} \underline{\quad} \frac{14}{16}$	$6 \div 8 \underline{\quad} \frac{6}{8}$	$\frac{2}{5} \underline{\quad} 2 \div 5$

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$\begin{array}{r} 9\frac{1}{12} \\ -4\frac{5}{16} \\ \hline \end{array}$	$22 - 11\frac{5}{16} =$	$22\frac{5}{16} - 11 =$	$\begin{array}{r} 16\frac{3}{8} \\ -5\frac{7}{12} \\ \hline \end{array}$
$87 = \underline{\quad} \div 42$	$\underline{\quad} - 24,691 = 75,908$	$15 \overline{)304560}$	<p>72,000 exceeds 48,932 by how much?</p>
$4\frac{2}{7} \div 3 =$	$3 \div 4\frac{2}{7} =$	$2\frac{1}{4} \div 9 =$	$6\frac{7}{8} \div \underline{\quad} = 2\frac{1}{5}$
<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 _____.</p>	<p>The <i>associative</i> property of multiplication states that the <u>grouping</u> of the _____ will not affect the product.</p>	<p>The <i>identity</i> property uses _____ in addition and _____ in multiplication.</p>	<p>“Increased by,” “greater than,” and “plus” are clues to the operation of _____.</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 $4\frac{5}{9}$.	$4\frac{3}{10} = \underline{\hspace{2cm}} + 2\frac{5}{6}$
$3\frac{1}{3} = \underline{\hspace{1cm}} \div 5\frac{3}{4}$	Factors: $\frac{3}{8}, \frac{1}{4}$ Product: _____	$5\frac{1}{5} \div \underline{\hspace{1cm}} = \frac{3}{10}$	$\frac{3}{8} \times \frac{4}{9} \times 1\frac{1}{2} \times \underline{\hspace{1cm}} = 0$
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 $3\frac{1}{2} \div 7$?	$2\frac{1}{3} = \underline{\hspace{1cm}} \div 5\frac{3}{4}$ 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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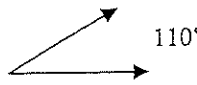
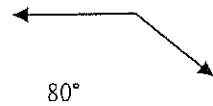
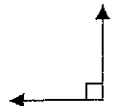
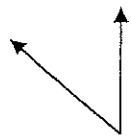
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$\begin{array}{r} 408 \\ \times 307 \\ \hline \end{array}$	$\underline{\hspace{2cm}} \div 202 = 17$	$13 \overline{)3459}$	<p>Estimate the quotient</p> $69 \overline{)139462}$
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<p>Circle the greatest value:</p>															
<table border="1" style="width: 100%; height: 100%;"> <tr> <td style="text-align: center;">$\frac{1}{3} + 4$</td> <td style="text-align: center;">$4 - \frac{1}{3}$</td> </tr> <tr> <td style="text-align: center;">$\frac{1}{3} \times 4$</td> <td style="text-align: center;">$\frac{1}{3} \div 4$</td> </tr> </table>	$\frac{1}{3} + 4$	$4 - \frac{1}{3}$	$\frac{1}{3} \times 4$	$\frac{1}{3} \div 4$	<table border="1" style="width: 100%; height: 100%;"> <tr> <td style="text-align: center;">$3 + \frac{1}{3}$</td> <td style="text-align: center;">$3 - \frac{1}{3}$</td> </tr> <tr> <td style="text-align: center;">$3 \times \frac{1}{3}$</td> <td style="text-align: center;">$3 \div \frac{1}{3}$</td> </tr> </table>	$3 + \frac{1}{3}$	$3 - \frac{1}{3}$	$3 \times \frac{1}{3}$	$3 \div \frac{1}{3}$	<p>FREE</p>	<table border="1" style="width: 100%; height: 100%;"> <tr> <td style="text-align: center;">$\frac{3}{4} + 4$</td> <td style="text-align: center;">$4 - \frac{3}{4}$</td> </tr> <tr> <td style="text-align: center;">$\frac{3}{4} \times 4$</td> <td style="text-align: center;">$\frac{3}{4} \div 4$</td> </tr> </table>	$\frac{3}{4} + 4$	$4 - \frac{3}{4}$	$\frac{3}{4} \times 4$	$\frac{3}{4} \div 4$
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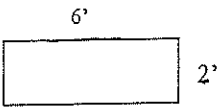
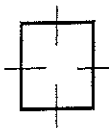
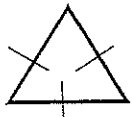
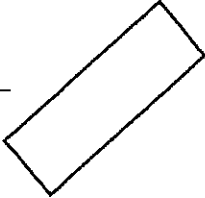
<p>What is $9\frac{3}{7}$ less than 12?</p>	<p>$16\frac{1}{8}$ decreased by what number is $6\frac{5}{6}$?</p>	$3\frac{4}{9} + \underline{\hspace{1cm}} = 6\frac{1}{3}$	<p>From $7\frac{1}{6}$ take $3\frac{2}{3}$.</p>
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<p>From the product of 60 and 72 take 2498.</p>	<p>Factors: 90, 63 Product: _____</p>	$3\frac{1}{7} \times \frac{4}{5} \times 6\frac{1}{2} \times 0 = \underline{\hspace{2cm}}$	<p>Estimate the product $48 \times 21 \times 89 =$</p>
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<p>Is the given measure of each angle reasonable?</p>			
			

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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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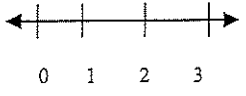

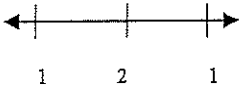
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From 19 take $10\frac{5}{12}$.	$\frac{12}{25} - \frac{2}{5} =$	Take $6\frac{3}{5}$ from 9.	From $9\frac{3}{5}$ take 6.
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Circle the greatest value:

$\begin{array}{c c} 2 + \frac{1}{2} & 2 - \frac{1}{2} \\ \hline 2 \times \frac{1}{2} & 2 \div \frac{1}{2} \end{array}$	$\begin{array}{c c} 6 + \frac{3}{4} & 6 - \frac{3}{4} \\ \hline 6 \times \frac{3}{4} & 6 \div \frac{3}{4} \end{array}$	$\begin{array}{c c} 5 - \frac{1}{4} & \frac{1}{4} \div 5 \\ \hline \frac{1}{4} \times 5 & \frac{1}{4} + 5 \end{array}$	$\begin{array}{c c} \frac{2}{3} \times 9 & 9 - \frac{2}{3} \\ \hline \frac{2}{3} \div 9 & \frac{2}{3} + 9 \end{array}$
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Place each group of fractions on a number line.

$\frac{1}{3}, \frac{1}{4}, \frac{1}{2}$ 	$2\frac{3}{4}, \frac{7}{8}, 3\frac{1}{3}$ 	$\frac{1}{2}, \frac{5}{6}, \frac{3}{4}$ 	$1\frac{1}{2}, 1\frac{7}{8}, 2\frac{1}{5}$ 
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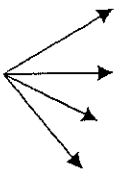
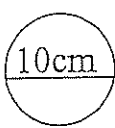
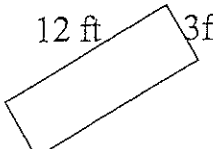
Use acute, obtuse or right to describe an angle measuring:

45°	90°	21°	170°
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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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$\$18.49 + \$30.20 =$	$\$14.00 + \$.56 =$	$\$33.60 + \$9.49 =$	$\$.30 + \$1.20 + \$.83 =$
$\$14.53 - \$12.65 =$	$\$25.60 - \2.30	FREE	$\$12.56 - \$10.21 =$
<p>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:</p>			
Ham and cheese with coffee	Egg salad	Tuna salad and soda	Not chicken salad and juice.
<p>Use this row of blocks to draw a tree diagram of the problem above.</p>			
<p>Chicken salad</p> 	Egg salad	Ham and cheese	Turkey and cheese
 <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> 