

Express $\frac{21}{33}$ as a percent to the nearest tenth of a percent.	Evaluate. $-3x^3 - 2y^2 - z$ when $x = -1$ $y = 2$ $z = -2$	$\frac{9}{16} = \frac{3}{12}$	$16 - 7\frac{9}{11} =$
By what number does $12\frac{1}{8}$ exceed $7\frac{5}{6}$?	What percent of 3000 in is 10 yd?	What must be added to -17.4 to yield -30.418 ?	Express $.88$ as a fraction in lowest terms.
$233\frac{1}{3}\%$ of what number is 2100?	$6.9 + 11.47 + 9 + \square = 40$	$7\frac{1}{2}\%$ of 6000 =	Translate into math symbols: "Three times the sum of six and twice a number is twelve."
Solve. $7 - 4h > -10 - h$	Solve. $-10 + 6y = 2y + 30$	Simplify. $(-4 - 4) \div (-4) + (-4) \times (-4)$	Find the base of a triangle whose area is 120 sq. ft and altitude is 30 ft.

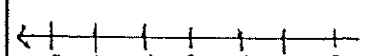
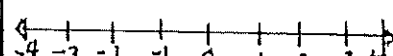
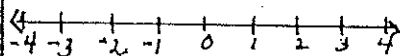
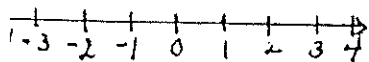
Graph the solution set of each inequality with respect to the given domain.

J - Integers
 $3x - 4 > 5$

W - Whole Numbers
 $x - 2 < -3$

Real Numbers
 $-2x + 1 < -3$

Rationals
 $-x - 4 \geq -6$



God bless you and your families.

<p>Evaluate $2x - y^2 + 3z$ when $x = -1$ $y = 2$ $z = -3$</p>	<p>Find the lateral surface of a rectangular prism having a length of 9 ft, a width of 18 ft, and a height of 12 ft.</p>	<p>Simplify. $32 - 6 \div -3 - 16 \times -2$</p>	<p>What percent of 40 gal is 200 pt?</p>
<p>-2.4 exceeds -9.419 by what number?</p>	<p>$21,576 = \square \times 8.7$</p>	<p>$383\frac{1}{3}\%$ of what number is 966?</p>	<p>Solve. $\frac{m}{5} + 8 = 3(2+7)$</p>
<p>Solve. $-8d - 4 \leq -12$</p>	<p>$\frac{1}{3}\%$ of 960 =</p>	<p>Express $\frac{9}{16}$ as a terminating or repeating decimal.</p>	<p>Translate into math symbols: "The quotient when a number is divided by twelve is equal to the number increased by five."</p>
<p>$16\frac{2}{7} - 7\frac{5}{8} =$</p>	<p>Solve. $42 = 6 - \frac{1}{5}h$</p>	<p>Solve for n. $\frac{7}{12} = \frac{d}{5.4}$</p>	<p>Express $3\frac{1}{2}\%$ as a fraction in lowest terms.</p>

Use a >, <, or = sign to make the following true statements. If none of these will do so, write "N".

$\frac{1}{16} \underline{\hspace{1cm}} 6\frac{2}{3}\%$
 $(3)^{-3} \underline{\hspace{1cm}} (-3)^{-2}$

FREE

$.82\frac{1}{2}\% \underline{\hspace{1cm}} .8\bar{2}$
 $(9)^0(\frac{1}{9})^0 \underline{\hspace{1cm}} (8)^0(\frac{1}{8})^0$

$\frac{7}{16} \underline{\hspace{1cm}} \frac{9}{17}$
 $0-8 \underline{\hspace{1cm}} 0-9$

What number exceeds -7.46 by -10.893 ?	What is the area of a circle with a radius of 4.9 ft?	How much greater than -4.61 is 10 ?	$-2\frac{1}{4} \times 6\frac{1}{2} \times \frac{12}{39} =$				
Solve. $-34 + 7 = -10 + 4$	Circle the number closest in value to 6 . <table border="1" style="margin-left: auto; margin-right: auto;"> <tbody> <tr> <td>$\sqrt{30}$</td> <td>6.7</td> </tr> <tr> <td>5.998</td> <td>5.0009</td> </tr> </tbody> </table>	$\sqrt{30}$	6.7	5.998	5.0009	Divide three and two thousandths by six hundredths.	$19 - \square = 6\frac{3}{8}$
$\sqrt{30}$	6.7						
5.998	5.0009						
Simplify. $4^3 - 6 \times 81 - 5^2$	$266\frac{2}{3}\%$ of $1600 =$	What percent of $\frac{3}{5}$ is $2\frac{1}{2}$?	$\frac{1}{3}\%$ of what number is 4800 ?				
Round 37.58421 to the nearest thousandth.	$-7.54 \div \square = 5.8$	Solve. $7 - 4y \leq -8 + y$	Find the percent of decrease from 24 to 4 .				

Use a $>$, $<$, or $=$ sign to make the following true statements.

$200 \text{ gal} \underline{\hspace{1cm}} 700 \text{ qt}$	$720 \text{ yd} \underline{\hspace{1cm}} 2000 \text{ ft}$	$600 \text{ m} \underline{\hspace{1cm}} 6000 \text{ mm}$	$2000 \text{ da} \underline{\hspace{1cm}} 3 \text{ yr}$
$1000 \text{ ft} \underline{\hspace{1cm}} 400 \text{ gal}$	$5 \text{ mi} \underline{\hspace{1cm}} 3000 \text{ ft}$	$42 \text{ dm} \underline{\hspace{1cm}} 4.2 \text{ m}$	$10000 \text{ min} \underline{\hspace{1cm}} 12 \text{ da}$

<p>Solve.</p> $2m - 5 = 17$	$\frac{-2\frac{2}{7}}{\frac{1}{3}} =$	<p>Solve.</p> $16 - 5k = 3(7 - 4)$	$16\frac{1}{6} - \square = 6\frac{3}{4}$
<p>Evaluate</p> $\frac{2}{3}x^2 - y + 2z^2$ <p>when $x = 3$ $y = -2$ $z = -1$</p>	<p>Estimate by rounding.</p> $8\frac{5}{6} \times 13\frac{2}{9}$	<p>What is the percent decrease from 90 to 63?</p>	<p>Place .0000084 in scientific notation.</p>
<p>What must be added to -3.4 to yield -10.896?</p>	<p>What percent of $3\frac{1}{3}$ is $16\frac{2}{3}$?</p>	<p>Simplify.</p> $-5 \div -1 + 6 \times 2 - 8^2$	<p>Express $\frac{4}{21}$ as a terminating or repeating decimal.</p>
<p>9.2 is 240% of what number?</p>	<p>Solve.</p> $-\frac{4}{8} + 7 = -14$	$8\frac{1}{3}\% \text{ of } 3\frac{3}{11} =$	<p>Find the area of a parallelogram with an altitude of 8 yd, base of 20 yd, and side of 10 yd.</p>

Use a >, <, or = sign to make the following true statements. If none will do so, write "N."

FREE

$$-\frac{1}{2} \times \frac{1}{3} \quad \underline{\quad} \quad -\frac{1}{3} \times \frac{1}{2}$$

$$68.5\% \quad \underline{\quad} \quad \frac{11}{15}$$

$$\left(-\frac{2}{3}\right)^2 \quad \underline{\quad} \quad \left(\frac{2}{3}\right)^3$$

$$(-2)\left(\frac{1}{3}\right)^2 \quad \underline{\quad} \quad \left(-2 \cdot \frac{1}{3}\right)^2$$

$$0 \times \left(\frac{1}{2}\right)^2 \quad \underline{\quad} \quad \left(\frac{1}{8}\right)^2 \times 0$$

$$62\frac{1}{2}\% \quad \underline{\quad} \quad 62.5$$

<p>$\cdot 5\%$ of 400 =</p>	<p>$-2\frac{1}{6} \div (3\frac{1}{4} \times \frac{3}{7})$</p>	<p>Evaluate $\frac{3a^2 - 2b}{-c}$ $a=2$ $b=-2$ $c=-1$</p>	<p>Solve. $-5r - 6 = r + 24$</p>
<p>Solve $4 - 5r \leq r + 20$</p>	<p>6.3 is $1\frac{1}{2}\%$ of what number?</p>	<p>If .875 of a number is 49, what is the number?</p>	<p>65 is $8\frac{1}{3}\%$ more than what number?</p>
<p>Divide 21.63 by 1.05.</p>	<p>Simplify $\frac{1}{3}$ of $-15 + 16 \div -2 + 4$</p>	<p>A triangular sail has a base of $13\frac{1}{2}$ ft and an altitude of 16 ft. How many sq yd are in its area?</p>	<p>Order from least to greatest. $\frac{5}{7}, 80\%, 8\frac{1}{3}, \frac{7}{8}, .83$</p>
<p>Express $.\overline{02}$ as a fraction in lowest terms.</p>	<p>$\frac{7}{12} = \frac{17}{18}$</p>	<p>Express $3\frac{1}{4}$ as a fraction in lowest terms.</p>	<p>$17 - 10\frac{4}{5} =$</p>

Use a $>$, $<$, or $=$ sign to make the following true statements.

$4000 \text{ sec} \underline{\hspace{1cm}} 400 \text{ min}$
 $5\frac{1}{2} \text{ T} \underline{\hspace{1cm}} 12000 \text{ lb}$
 $450 \text{ gal} \underline{\hspace{1cm}} 2000 \text{ ft}$
 $5\frac{1}{2} \text{ mi} \underline{\hspace{1cm}} 8500 \text{ yd}$
 $5000 \text{ da} \underline{\hspace{1cm}} 10 \text{ yr}$
 $400 \text{ oz} \underline{\hspace{1cm}} 25 \text{ lb}$
 $2000 \text{ c.} \underline{\hspace{1cm}} 300 \text{ qt}$
 $1600 \text{ in} \underline{\hspace{1cm}} 45 \text{ yd}$

<p>Solve.</p> $4(7-3) = 4 - 6$	<p>Evaluate</p> $-\frac{1}{2}x^2 - \frac{1}{3}y + z^2$ <p>$x=2$ $y=3$ $z=-1$</p>	<p>Solve for n:</p> $\frac{.02}{.8} = \frac{n}{16}$	<p>88 is $14\frac{2}{7}\%$ more than what number?</p>
<p>Write in symbols: "Six times the sum of a number and one-third is less than forty."</p>	<p>Express as a mixed number in lowest terms.</p> $2.\overline{32}$	<p>Express $\frac{9}{11}$ as a terminating or repeating decimal!</p>	<p>How much greater than $-3\frac{1}{8}$ is $10\frac{5}{6}$?</p>
<p>30 is 1% of what number?</p>	<p>Solve.</p> $4 - 3y \leq 16 + 2y$	<p>7.41 exceeds -2.11 by what number?</p>	<p>Divide the opposite of 8 by the reciprocal of $-\frac{3}{16}$.</p>
<p>$-16.1 + \square = -3.42$</p>	<p>What percent of $\frac{1}{9}$ is $\frac{1}{3}$?</p>	<p>$112\frac{1}{2}\%$ of a pound equals how many ounces?</p>	<p>The circumference of an oil tank is 55 ft. Find its radius.</p>
<p>Write an original problem for each of the following equations. Use the reverse side if necessary. DO NOT SOLVE.</p>			
<p>$30 \div \frac{5}{6} = 4$</p>	<p>$30 \times \frac{5}{6} = a$</p>	<p>$3.6 \div .6 = b$</p>	<p>$3.6 \times .6 = c$</p>

God bless you and your family.

$\frac{1\frac{5}{7}}{6\frac{3}{4}} =$	28 is $12\frac{1}{2}\%$ less than what number?	Find the area of a trapezoid with bases 9ft and 7ft and an altitude of 4ft.	Solve. $-16 - 10p = 30 - 4p$				
From -4.6 take -9.189.	FREE	Evaluate $\frac{-4a^3 - 3b^2}{2c}$ $a = -1$ $b = -2$ $c = 1$	How much greater than -14.61 is -6.135?				
Solve. $4m - 7 < m + 20$	Simplify. $5(81 \div 9) - 36 - 11$	What percent of $4\frac{1}{2}$ is $5\frac{2}{5}$?	$-3\frac{1}{5} \times \frac{7}{12} \div 2\frac{1}{3} =$				
Express .24 as a fraction in lowest terms.	Express $\frac{7}{12}$ as a terminating or repeating decimal.	Circle the number closest in value to 10. <table border="1" style="margin-left: auto; margin-right: auto;"> <tbody> <tr> <td style="padding: 5px;">9.8899</td> <td style="padding: 5px;">10.099</td> </tr> <tr> <td style="padding: 5px;">9.$\bar{8}$</td> <td style="padding: 5px;">10.999</td> </tr> </tbody> </table>	9.8899	10.099	9. $\bar{8}$	10.999	$\frac{27}{5}\%$ of 1750 =
9.8899	10.099						
9. $\bar{8}$	10.999						

Use a $>$, $<$, or $=$ sign to make the following true statements.

$\sqrt{16} - \sqrt{9} \underline{\hspace{1cm}} \sqrt{16-9}$

$\sqrt[3]{64} \underline{\hspace{1cm}} \sqrt{64}$

$\left(-\frac{1}{4}\right)^0 \left(-\frac{1}{5}\right)^1 \underline{\hspace{1cm}} \left(\frac{1}{2}\right)^0 \left(-\frac{1}{3}\right)^1$

$0 \div -6 \underline{\hspace{1cm}} 0 \div -7$

$\sqrt{25} \times \sqrt{4} \underline{\hspace{1cm}} \sqrt{25 \times 4}$

$\sqrt[3]{1000} \underline{\hspace{1cm}} \sqrt{144}$

$(-3)^{-2} (-4)^2 \underline{\hspace{1cm}} (-4)^{-2} (-3)^2$

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

<p>Express $\frac{17}{6}$ as as a terminating or repeating decimal.</p>	<p>Simplify. $-4 \div -4 + -4 \times -4 - -4$</p>	<p>$-3\frac{1}{8} \div 4 \div (-\frac{5}{4}) =$</p>	<p>What is the reciprocal of $-7\frac{1}{3}$?</p>
<p>Solve. $\frac{1}{3}(4-3) = -4-6$</p>	<p>Express .77 as a fraction in lowest terms.</p>	<p>What percent of 3.25 is .75 to the nearest tenth of a percent?</p>	<p>By what number does $17\frac{7}{9}$ exceed $6\frac{2}{3}$?</p>
<p>Evaluate. $(-3x)^2 - 4xy^3 - z$ when $x = -2$ $y = -3$ $z = -4$</p>	<p>$211\frac{1}{9}\%$ of 7290 =</p>	<p>Solve. $4-12 \leq 4-6$</p>	<p>$\frac{2}{7}\%$ of what number is 2000?</p>
<p>98 is $16\frac{2}{3}\%$ more than what number?</p>	<p>How much greater than -4.256 is $+12.1$?</p>	<p>What is the area of a drum top if its diameter is $2\frac{1}{2}$ ft?</p>	<p>Express $\frac{1}{24}$ as a terminating or repeating decimal.</p>

Use a $>$, $<$, or $=$ sign to make the following true statements.

<p>1^{11} _____ $(11)^0$ 6^{-2} _____ $(-6)^{-1}$</p>	<p>$\sqrt{64} + \sqrt{36}$ _____ $\sqrt{64+36}$ $\sqrt{64} \times \sqrt{36}$ _____ $\sqrt{64 \times 36}$</p>	<p>$.01\overline{001}$ _____ $.0\overline{1}$ $.9\frac{2}{3}$ _____ $.91\frac{2}{3}$</p>	<p>$\sqrt{1000}$ _____ 35 $-\sqrt{196}$ _____ $\sqrt[3]{-64}$</p>
---	--	--	---

<p>Evaluate</p> $\frac{-7x - 9y}{z^2}$ <p>$x = -4$ $y = 3$ $z = -2$</p>	$-\frac{5}{8} \times \left(-\frac{3}{25}\right) \times \left(-\frac{1}{9}\right)$	$90.6 \times \square = 43.488$	$314\frac{2}{7}\%$ of what number is 8866?
<p>Solve.</p> $5.01\% = 85.671$	<p>Write a number between .2 and .$\bar{2}$.</p>	<p>Translate into symbols: "Twice the sum of 6 and a number is three times the product of the number and six."</p>	<p>Simplify.</p> $2(3)^{-1} \times 3(5)^{-1}$
<p>Express $\frac{12}{37}$ as a terminating or repeating decimal.</p>	<p>What percent of 120 gal is 1200 ft?</p>	<p>66 is $8\frac{1}{3}\%$ less than what number?</p>	<p>Find the result when the reciprocal of $-\frac{1}{9}$ is decreased by the opposite of $4\frac{1}{2}$.</p>
$306\frac{1}{4}\%$ of 960 =	<p>Simplify.</p> $-7 - (-7 - 7) \times (-7)^2$	<p>Solve.</p> $-5a - 9 + a = \frac{45}{3}$	$13\frac{1}{6} - \square = 6\frac{1}{3}$

Use a $>$, $<$, or $=$ sign to make the following true statements.

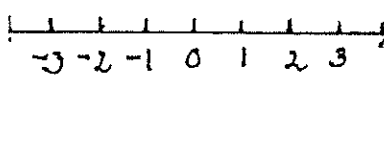
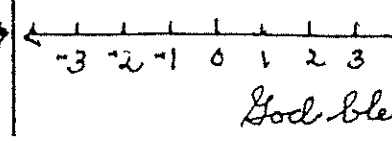
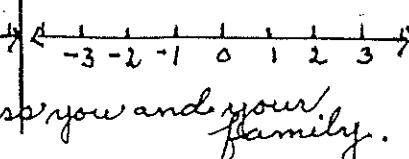
7.2 cm _____ 0072 mi 40 mi _____ 200000 ft
 4200 dm _____ 4.2 km 40 yd _____ 1400 in

FREE

705 gal _____ 7005 ft
 41 $\frac{1}{2}$ qt _____ 82 ft

<p>Write $-1.\overline{21}$ as a fraction in lowest terms.</p>	<p>Solve.</p> $\frac{\frac{1}{2}}{\frac{1}{4}} = \frac{4}{25}$	$5\frac{1}{3} \times 1\frac{7}{8} \times 8\frac{3}{4} \times 2\frac{2}{15}$	<p>Evaluate</p> $ab \div 4 + b^2 - 6a$ <p>when $a = -1$ $b = 4$</p>
$14\frac{5}{8} - \square = -4\frac{7}{12}$	<p>What percent of 10 mi is 10000 yd?</p>	<p>Express $\frac{8}{15}$ as a terminating or repeating decimal.</p>	<p>Write eight millionths in scientific notation.</p>
<p>Solve</p> $6.6 = (11 - 10x)0.3$	<p>Write three irrational numbers.</p> <p>_____</p> <p>_____</p> <p>_____</p>	<p>Solve.</p> $15 = (6x + 9)\frac{1}{3}$	$\frac{1}{5}\% \text{ of } 85.9045 =$
<p>The legs of a right triangle are 28m and 35m. What is the area of the triangle?</p>	<p>Express $\frac{134}{333}$ as a terminating or repeating decimal.</p>	<p>Find the lateral area of a cylinder with radius 4 cm and height 11 cm.</p>	<p>What is the result when the reciprocal of -8 is divided by the opposite of $-4\frac{1}{2}$?</p>

Graph the solution set of each inequality over the given domain.

<p>Integers</p> $-2x - 3 > 1$ 	<p>Real Numbers</p> $-2x + 3 < -2$ 	<p>Rational Numbers</p> $7 + 3a > 4$ 
--	--	---

God bless you and your family.

Congratulations on completing these exercises. You are on your way to great math adventures! Be sure to thank your teacher.