Solving inequalities worksheet grade 8 printable free pdf free

I'm not robot!

Name_____

OBJECTIVE: Multiply the fractions without a calculator. Show your work. Be aware of the negative signs. Simplify your answers when possible.

$\frac{1}{5} \times \frac{15}{18} =$ $\frac{2}{3} \times \frac{12}{22} =$ $\frac{1}{2} \times \frac{10}{12} =$

$\frac{-3}{4} \times \frac{12}{14} =$ $\frac{2}{5} \times \frac{-5}{10} =$ $\frac{-2}{7} \times \frac{-3}{10} =$

$\frac{-5}{6} \times \frac{-6}{7} =$ $\frac{3}{5} \times \frac{3}{4} =$ $\frac{-7}{8} \times \frac{5}{10} =$

$\frac{-3}{5} \times \frac{7}{13} =$ $\frac{3}{8} \times \frac{-5}{9} =$ $\frac{-1}{3} \times \frac{-9}{16} =$

$\frac{-1}{3} \times \frac{9}{14} =$ $\frac{-1}{2} \times \frac{16}{28} =$ $\frac{3}{4} \times \frac{8}{21} =$

$\frac{-1}{2} \times \frac{-8}{9} =$ $\frac{-1}{8} \times \frac{16}{17} =$ $\frac{0}{4} \times \frac{-3}{7} =$

Equations WS3 Name:_____

Solving Equations
1,2, Multi-Step and Inequalities Date:_____Period: _____

Solve for the variable.

1. $\frac{x}{3} = 9$
2. $k - 12 = -10$
3. $a + 50 \leq -60$
4. $42 > x - 33$
5. $-57 = x + 9.8$
6. $y - (-15) = 49$
7. $2x = -16$
8. $-4y > 88$
9. $\frac{m}{15} = 2$
10. $-4x + 7.2 = 32$
11. $7x - 3 = -9$
12. $8.4 - 2x < 16$
13. $7.5 - x = 25.6$
14. $-3x + 1.8 = -27$
15. $13x - 6.9 = 21$
16. $-4x + 8 = 40$
17. $\frac{x}{7} - 2 = 8$
18. $\frac{x}{6} + 9 \leq 10$

Name_____

Using the Distributive Property

Period____

Simplify each expression.

1) $-6(a + 8)$
2) $4(1 + 9x)$
3) $6(-5n + 7)$
4) $(9m + 10) \cdot 2$
5) $(-4 - 3n) \cdot -8$
6) $8(-b - 4)$
7) $(1 - 7n) \cdot 5$
8) $-6(x + 4)$
9) $5(3m - 6)$
10) $(-6p + 7) \cdot -4$
11) $5(b - 1)$
12) $(x + 9) \cdot 5$
13) $-4(-8x - 8)$
14) $-6(7 + x)$
15) $-3(x - 5)$
16) $-5(10x + 1)$
17) $(1 + 2v) \cdot 5$
18) $-8(1 - 5x)$
19) $-7(5k - 4)$
20) $-5(7a - 6)$
21) $5(n + 6)$
22) $4(3r - 8)$
23) $3(5 + 5x)$
24) $(1 + 9x) \cdot -10$

Name: _____ Date: _____
Class: ____

Multi-Step Inequalities

Directions: Answer all problems on this worksheet by showing all work. Also, remember to graph your solution sets on the lines provided in the boxes.

1) $3a + 2a - 8 > 19$	2) $18 - 6(c + 2) \geq -14$
3) $3d - 7d - 5 \leq 23$	4) $-2(e + 3) + 12 < 10$
5) $6(7 + 1) - 18 \leq -6$	6) $3g - 4 + 3g > 20$
7) $2(r + 4) - 3 \geq 7$	8) $6 + 2x < 2$

Solving Linear Equations (C)

L6
Grade D
Progression : Quick

Solve the following equations. Some questions will have negative, fraction or decimal answers.

Section A

1) $4x + 10 = 30$
2) $4x - 8 = 20$
3) $5 + 2x = 65$
4) $9 + 4x = -15$
5) $14 + 6x = 2$
6) $2x - 3 = -2$
7) $5 + 10x = -15$
8) $10 = 7 - x$
9) $-3 = 16 - x$
10) $-4 = 12 - 2x$
11) $25 = 46 - 3x$
12) $8 = 9 - 5x$

Section B

1) $\frac{x}{2} + 11 = 19$
2) $\frac{x}{7} - 6 = 1$
3) $12 + \frac{x}{5} = 20$
4) $3 = \frac{x}{4} - 3$
5) $7 = \frac{x}{2} - 4$
6) $-2 = \frac{x}{8} - 5$
7) $-1 = 6 + \frac{x}{2}$
8) $14 - \frac{x}{3} = 10$
9) $5 - \frac{x}{9} = -1$
10) $\frac{x+5}{3} = 12$
11) $\frac{x-4}{11} = 9$
12) $\frac{x+3}{8} = -2$

Solving inequalities worksheet with answers pdf.

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I have my students to watch the video and complete the notes at home. Then they can come to class and do their homework. This allows me to give them immediate comments, since they are completing their task, as well as responding to the previous view of my "40 weeks of ã¡lgebra review for geometry students." The issue of this worksheet is to solve various steps equations. If you enjoy this work sheet, consider buying the complete download, located here: 40 weeks of ã¡lgebra for geometry students and are described below: Instructions: These working sheets are intended to be used with students of geometry that have taken a course of ã lgebra 1 previously. There are 36 issues of ã¡lgebra, so as 4 working sheets of family mathematics connections #0 ã¡lgebra i Review for ã¡lgebra iiby This is a great revision for students of ã¡lgebra II. You can use the entire unit for selected topics. 1. Solve and the inequalities of graphics (includes compound inequalities and inequalities of absolute value) 2. expressions and resolution equations 3. exponent laws 4. linear functions (dependent, writing equations, graphics) the lesson includes: *1 inspire active lesson (contains all topics) 1 pdf inspire active (impressible for studentor personal notes) 1 pdf version filled in response You may also like to get the Agroup of the FREE ENTIRE Water Cycle here. This is a vocabulary unit for the Water Cycle with images and a white sheet size to fit in the interactive notebook. I present six new words every Monday to start a unit. We speak of previous knowledge and students give examples of what we already know about each word. I put the key in the projector above and the students write the words, definitions and draw an image, and color. 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The worksheet requires that the students write: 1) what the equation says in words, 2) to decide which number they have to "get rid of" so that the variable is "by itself", 3) to decide how they would get rid of the number, and, finally, 4) show their work. This product was created by Susan M. Walker. When you visit this site, it may store or retrieve information on your browser, mostly in the form of cookies. Cookies collect information about your preferences and your device and are used to make the site work as you expect it to, to understand how you interact with the site, and to show advertisements that are targeted to your interests. You can find out more and change our default settings with Cookies Settings. You can create printable tests and worksheets from these Grade 8 Inequalities questions! Select one or more questions using the checkboxes above each question. Then click the add selected questions to a test button before moving to another page. Previous Page 1 of 2 Next Previous Page 1 of 2 Next Analyze boundaries:For situations where exact equality is not achieved, inequalities can help students assess boundary values of the required result. Even though students do not get the precise result, they can identify upper or lower boundaries.Flexibility in prediction:This leaves room for flexibility for scenarios where changes might occur, therefore lowering the possibility of error that may have been generated from the prediction of a fixed outcome.Real world application:Ã ÂSolving inequalities worksheets can show o n³Âicacilpitlum al ed osac le nE .ongis led sodal sobma a orec on ovitisop orem⁰Ân omsim led n³Âisivid o ongis ed songis ed la±Âes aL raretla nis dadlaugised ed ongis led sodal sobma ed orem⁰Ân omsim led atser o n³Âicida :sodot©Ãm setneiugis sol ed areiuqlauc etnaidem esrevloser nedeup sarutlucse saL .sedadlaugised ed amrof ne oiranecse nu ratneserper edeup es omoc se ÃsA .seteuqap 6 atsah olraednoder ebed sortoson ,n³Âiccarf anu ne ratse edeup on seteuqap ed orem⁰Ân le euqrop)66.6 a laugi se 3/02 euq ay(66.6< x ,o .3/02 se otisiuqer le noc rilpmuc arap rarpmoc atisecen ivaR euq seteuqap ed orem⁰Ân le ,otnat ol roP 31/02< X >=)21 noc sodal sobma odneidivid(21/08< 21/x21 >= 08< x21 ,ro08< seteuqap ed orem⁰ÂN * 21 :omoc laenil dadlaugised ed amrof ne roiretna amelborp le ribircse somedop ,otnat ol roP .setalocohc 21 eneitnoc eteuqap adaC .sotisiuqer sol noc rilpmuc arap seteuqap ed orem⁰Ân X rarpmoc euq eneit ivaR euq agnopuS :n³ÂiculoS .otisiuqer le recafsitas arap rarpmoc atisecen euq seteuqap ed orem⁰Ân le ertneucnE .setalocohc 21 eneitnoc selauc sol ed onu adac ,seteuqap ne nednev es setalocohc sotsE .setalocohc 08 ed omix¡Âm nu ararpmoc euq ivaR a ³Âidip el es :olpmejE .ojabart ed sajoh satse ed s©Ãvart a sedadlaugised sal revloser a rednerpa nedeup y laer adiv al ed solpmeje nanoicroporp es SHR ed soidutse sol arap rolav ne laugi o royaM se SHL :)?(a laugi o royam SHR euq rolav ne royam se erpmeis SHL :)>(euq royam SHR a rolav ne laugi o ronem se SHL :)?(a laugi o ronem SHR euq rolav ne ronem se erpmeis SHL :)

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