

Ch 1 & 2

Day 4
Writing Expressions, Equations,
and Inequalities

Word for Addition

- Sum 1) Sum of x and y $x+y$
- Plus 2) 4 plus z $4+z$
- Total 3) Total of a and b $a+b$
- More than 4) 6 More than x $6+x$
- Increased by 5) z Increased by 10 $z+10$

Word for Subtraction

- Difference 6) Difference of a $x-8$
 number and 8
- Minus 7) x minus y $x-y$
- Less than 8) 8 less than x $x-8$
- Decreased by

Word for Multiplication

- Times 9) 3 times x $3x$
- Product 10) Product of c and d cd
- Multiplied by 11) $\frac{1}{4}$ of a number $\frac{1}{4}x$
- of

Word for Division

- Quotient 12) Quotient of 2 and a $x \div 2$
 number
- Divided by 13) 6 divided by y $6 \div y$
- Divided into 14) A number divided $x \div 20$
 into 20
- Half of 15) Half of x $\frac{1}{2}x$

Words of Equations, Inequalities

- "is" tells you to use an equation or inequal
 - "is" $=$
 - "is less than" $<$
 - "is less than or equal to" \leq
 - "is greater than" $>$
 - "is greater than or equal to" \geq

Ch 1 & 2: D4- Writing Algebra

Class Ex: Write an expr, eqn, or inequal

- 4 more than x is 10 $4+x=10$
- Half of y is greater than 15 $\frac{1}{2}y > 15$
- The difference of y and 8 is less than or equal to 5 $y-8 \leq 5$
- The product of 6 and a number is 15 $6n=15$
- 10 less than x is less than 25 $x-10 < 25$
- 5 less than the quantity x plus 4 is equal to 11 $(x+4)-5=11$

Partner Work

- Complete the examples WS with your partner
- When complete, have it checked
- Correct errors
- Once you have a 100%, you may start the WS for homework.