SET OF INTEGERS

 Write six-thousand eighty three. 	9. Add: $\begin{array}{c} - 8 \\ +10 \end{array}$	15. Add: -27 -52
2. What is the total degree difference if the temperature one day was $-1^{\circ}C$ in the		
morning and $+9^{\circ}$ C at night? (a) 8° C (c) -8° C (b) 10° C (d) -10° C	10. Multiply: -12 - 7	16. Divide: -12 by -6
3. Add: 9,983 and 475	ll. Divide: -28 by +4	17. Multiply: +14 <u>- 4</u>
4. What is 45,623 rounded off to the nearest hundred?		
5 From 3 004 subtract 316	12. Subtract:	18. Add: +12 -30
5. From 5,004 Subtract 510.		
6. Multiply: <u>632</u> <u>x 49</u>	13. Multiply: -5 <u>+2</u>	19. Divide: +60 by -15
7. Divide: 3216 by 8.		
8. Divide: 68)3128	14. Subtract: +42 <u>- 6</u>	20. Subtract: -15 <u>- 9</u>

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Review

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SET OF INTEGERS

Division of Signed Numbers		
REMEMBER In dividing signed numbers, if the signs are the same, the answer is positive; if the signs are different, the answer is negative. This rule is the same as for multiplication of signed numbers.		
Examples: <u>Divide</u>		
$\frac{+10}{+2} = +5 \qquad \frac{-16}{-2} = +8$	$\frac{-20}{+4} = -5$ $\frac{+24}{-8} = -3$	
1. Divide +14 by +2.	8. What is the quotient of -40 and +5?	
	(a) -200 (c) -8 (b) -45 (d) -35	
2. Divide -30 by -6.		
	9. What is -60 divided by $-10?$	
3. Divide: $\frac{-15}{+5} =$	(a) +6 (c) -50 (b) -6 (d) -70	
4. Divide +80 by -4.	10. What is the quotient of +42 and +2?	
	(a) + 54 (c) + 40 (b) -21 (d) + 21	
5. Divide -56 by -7.		
	ll. What is +17 divided by -17?	
6. Divide +48 by +12.	$ \begin{array}{cccc} (a) & 0 & (c) & -1 \\ (b) & +1 & (d) & -289 \end{array} $	
	12. What is -50 divided by -25?	
7. Divide: $\frac{+27}{-9}$	(a) $+2$ (c) -25 (b) $+25$ (d) -2	

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Solving Equations (continued)	
REMEMBER	
In a two-step problem, fir and then divide both sides number next to the x.	st get the x-term alone of the equation by the
Examples: 3x-5 = 7 +5 +5 3x = 12 x = 4	$ \begin{array}{r} 6x + 3 = 21 \\ - 3 -3 \\ \overline{6x} = \frac{18}{6} \\ x = 3 \end{array} $
1. Solve for x: 3x - 2 = 13	6. Solve for x: 6x - 24 = 24
2. Solve for x: 7x + 6 = 48	7. Solve for x: 60 = 5x + 25
3. Solve for x: 8x - 9 = 63	8. Solve for x: 11x + 3 = 58
4. Solve for x: 5x + 4 = -1	9. Solve for x: 16 = 2x - 14
5. Solve for x: 20x - 40 = 80	10. Solve for x: 12x + 5 = 29

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