Name Date Class

Name the operati Do not solve.	on you use to solve	each equation.	
1. <i>x</i> + 8 = 12	2. <i>y</i> − 2 = 8	3. 4 <i>x</i> = 16	4. $\frac{x}{2} = -1$
5. 3 + <i>x</i> = 7	6. <i>y</i> − 1 = 1	7. − <i>x</i> = 12	8. $\frac{x}{-4} = 5$
Solve.			
9. <i>x</i> + 4 = 6	10. <i>y</i> − 3 = 1	11. 4 <i>x</i> = 12	12. $\frac{x}{2} = 3$
3. $-4 + b = 3$	14. $\frac{x}{2} = 4$	15. <i>k</i> + 1 = 9	16. 5 <i>x</i> = 15
7. <i>r</i> − 2 = 7	18. $\frac{m}{2} = 7$	19. 6 + <i>r</i> = 11	20. <i>d</i> - 1 = -2
21. $3x = -9$	22. $\frac{a}{6} = -2$	23. $\frac{w}{3} = -6$	24. $-6x = -6$

- 25. Josef saves the same amount each week for one year. At the end of that time, he has \$624. How much did he save each week? (Hint: 1 year = 52 weeks.)
- **26.** Michelle earns \$800 a week. How much will she earn in sixteen weeks?

LESSON Problem Solving				, Twisters &	Teasers	
2-3 Multiplying and Dividing In	ntegers		2-3 Divide an	nd Conquer!		
Write the correct answer.			Decide whether or	not each equation	is correct. Circle the	
 A submersible started at the surface of the water and was moving down 	For the first week in Ja daily high temperatures	s in Bismarck,	letters above your a	answers. Then solv	e the riddle.	
at -12 meters per minute toward the ocean floor. The submersible traveled	North Dakota, were 7°I -10°F, -7°F, 8°F, 12°F		1. $\frac{32}{-8} = 8$	F		
at this rate for 32 minutes before	What was the average	daily high		correct	incorrect	
coming to rest on the ocean floor. What is the depth of the ocean floor?	temperature for the we	ek?	2. $6(-7) = -42$	T	L	
—384 m	2°F			correct	incorrect	
 Sally went golfing and recorded her 	 The ocean floor is at – 	-96 m. Tom	3. $-6(-5) = -30$	G	M	
scores as -2 on the first hole, -2 on	has reached –15 m. If	f he continues		correct	incorrect	
the second hole, and 1 on the third hole. What is her average for the first	to move down at -3 m how far will he be from		4. $9(-3) = -39$	н	(A)	
three holes?	floor after 7 minutes?		18	correct	incorrect	
<u>–1</u>	<u>60 m</u>		5. $\frac{18}{-6} = -3$	D.	к	where a
Use the table below to answer Exercises	5.7		a a(a) aa	correct	incorrect	
Choose the letter for the best answer.	5-1.		6. -3(8) = 26	J correct	incorrect	
5. What is the caloric impact of 2 hours			7. $\frac{-45}{9} = -5$	W	V 4	
of in-line skating? A -477 Cal C -583 Cal	Calories Consumed	or Burned	1. 9 - 5	correct	incorrect	and the second
B -479 Cal D -954 Cal	Food or Exercise	Calories	8. $-12(-4) = 48$	B	U	JIL - BUD
	Apple	125	0. 12(1) 10	correct	incorrect	XLI PAT
 What is the caloric impact of eating a hamburger and then playing 	Pepperoni pizza (slice)	181	9. $4(-9) = 38$	Q	P	
Frisbee for 3 hours?	Hamburger Basketball (1hr)	425		correct	incorrect	A A A A A A A A A A A A A A A A A A A
F 220 Cal H 190 Cal G – 190 Cal J – 220 Cal	In-line skating (1 hr)	-477	10. $-2(-6) = 12$	G	Y	
G −190 Cal J −220 Cal	Frisbee (1 hr)	-205		correct	incorrect	
7. Tim plays basketball for 1 hour,			What did the spide	r do on the comput	ter?	
skates for 5 hours, and plays Frisbee for 4 hours. What is the						
average amount of calories Tim				<u>M</u> <u>A</u> <u>D</u> 3 5	<u> </u>	
burns per hour? (A) -375 Cal C -545 Cal						
B –1250 Cal D –409 Cal				<u>P</u> <u>A</u> 9 4		
			/ 8	9 4	10 6	
Consricht @ hw Hell Binebart and Winston	о	alt Pro Algebro	Convrint © by Holt Risebart and Winstr	Inn	22	Holf Bro Algobro
All rights reserved.		lolt Pre-Algebra	Copyright © by Holt, Plinehart and Winsto All rights reserved.	ton.	33	Holt Pre-Algebra
LESSON Exploration Recording	g Sheet	lolt Pre-Algebra	LESSON Practice	e A		Holt Pre-Algebra
Exploration Recording 2-4 Solving Equations Contain	g Sheet ning Integers	lolt Pre-Algebra	LESSON Practice	e A Equations Cont	aining Integers	Holt Pre-Algebra
LESSON Exploration Recording 2-4 Solving Equations Contain You can use a thermometer or a number lin	g Sheet ning Integers ne to model solving °I	lolt Pre-Algebra	LESSON Practice 2-4 Solving E Name the operation	e A Equations Cont	aining Integers	Holt Pre-Algebra
Exploration Recording 2-4 Solving Equations Contain You can use a thermometer or a number lin one-step equations with integers.	g Sheet ning Integers le to model solving 400- 400-		LESSON Practice	e A Equations Cont n you use to solve	aining Integers each equation.	
Exploration Recording 2-4 Solving Equations Contain You can use a thermometer or a number lin one-step equations with integers. 1. Suppose the temperature starts at -10° 20°F during the day. Solve the equation	g Sheet ning Integers se to model solving °/ 40 - °F and increases to 30 - -10 + x = 20 to 20 -		LESSON Practice V241 Solving E Name the operation Do not solve. 1. x + 8 = 12	e A Equations Cont n you use to solve 2. $y - 2 = 8$	aining Integers each equation. 3. $4x = 16$	4. $\frac{x}{2} = -1$
 Exploration Recording Solving Equations Contain You can use a thermometer or a number lin one-step equations with integers. Suppose the temperature starts at -10' 20°F during the day. Solve the equation find the temperature increase. 	g Sheet ning Integers ue to model solving °F and increases to -10 + x = 20 to 10 -		LESSON Practice 2-4 Solving E Name the operation Do not solve.	e A Equations Cont n you use to solve 2. $y - 2 = 8$	aining Integers each equation.	$4. \frac{x}{2} = -1$ $4 \qquad \qquad$
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Exploration Recording Solving Equations Contain You can use a thermometer or a number lin one-step equations with integers. 1. Suppose the temperature starts at -10° $20^{\circ}F$ during the day. Solve the equation find the temperature increase. x = 30 2. Solve the equation $-30 + x = 20$ using x = 50 Use the number line to solve each equation 34 + x = 5 $x = 9-10 -8 -6 -4 -2 0$	g Sheet ning Integers te to model solving $^{\circ}$ F and increases to $-10 + x = 20$ to $10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 -$	F +30	subtract 3 Solve. 1. $x + 8 = 12$ subtract 8 5. $3 + x = 7$ subtract 3 Solve. 9. $x + 4 = 6$ x = 2 13. $-4 + b = 3$ b = 7 17. $r - 2 = 7$ r = 9 21. $3x = -9$	e A Equations Cont n you use to solve of 2. $y - 2 = 8$ add 2 6. $y - 1 = 1$ add 1 10. $y - 3 = 1$ $\frac{y = 4}{14. \frac{x}{2} = 4}$ 14. $\frac{x}{2} = 4$ 18. $\frac{m}{2} = 7$ $\frac{m = 14}{22. \frac{a}{6} = -2}$	aining Integers each equation. 3. $4x = 16$ 7. $-x = 12$ multiply by - 11. $4x = 12$ x = 3 15. $k + 1 = 9$ k = 8 19. $6 + r = 11$ r = 5 23. $\frac{w}{3} = -6$	4. $\frac{x}{2} = -1$ 4. $\frac{x}{2} = -1$ 8. $\frac{x}{-4} = 5$ 12. $\frac{x}{2} = 3$ 12. $\frac{x}{2} = 3$ 16. $5x = 15$ 20. $d - 1 = -2$ d = -1
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