Name _____ Date _____ Class _____

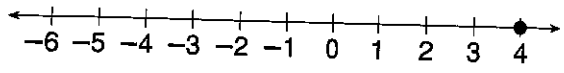
LESSON 2-2

Practice B

Adding Integers

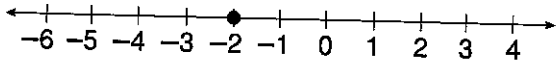
Use a number line to find each sum.

1. $-1 + 5$



_____

2. $4 + (-6)$



_____

Find each sum.

3. $-51 + (-9)$ _____

4. $27 + (-6)$ _____

5. $1 + (-30)$ _____

6. $15 + (-25)$ _____

7. $50 + (-7)$ _____

8. $-19 + (-15)$ _____

9. $(-23) + 9$ _____

10. $-19 + (-21)$ _____

11. $-17 + 11$ _____

12. $20 + (-8)$ _____

13. $(-15) + (-7)$ _____

14. $12 + (-14)$ _____

Evaluate $e + f$ for the given values.

15. $e = 9, f = -24$ _____

16. $e = -17, f = -7$ _____

17. $e = 32, f = -19$ _____

18. $e = -15, f = -15$ _____

19. $e = -20, f = 20$ _____

20. $e = -30, f = 12$ _____

21. The temperature rose 9°F in 3 hours. If the starting temperature was −5°F, what was the final temperature?

_____

22. Matt is playing a game. He gains 7 points, loses 10 points, gains 2 points, and then loses 8 points. What is his final score?

_____

Name _____ Date _____ Class _____

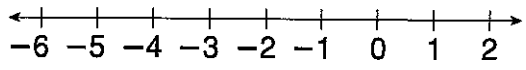
LESSON 2-3

Practice B

Subtracting Integers

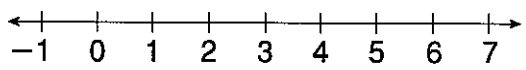
Use a number line to find each difference.

1. $-2 - 3$



_____

2. $5 - (-1)$



_____

Find each difference.

3. $-6 - 4$ _____

4. $-7 - (-12)$ _____

5. $12 - 16$ _____

6. $5 - (-19)$ _____

7. $-18 - (-18)$ _____

8. $23 - (-23)$ _____

9. $-10 - (-9)$ _____

10. $29 - (-13)$ _____

11. $9 - 15$ _____

12. $-12 - 14$ _____

13. $22 - (-8)$ _____

14. $-16 - (-11)$ _____

Evaluate $x - y$ for each set of values.

15. $x = 14, y = -2$ _____

16. $x = -11, y = 11$ _____

17. $x = -8, y = -15$ _____

18. $x = -9, y = -9$ _____

19. $x = 19, y = -20$ _____

20. $x = 20, y = 25$ _____

21. The high temperature one day was −1°F. The low temperature was −5°F.What was the difference between the high and low temperatures for the day?

_____

22. The temperature changed from 5°F at 6 P.M. to −2°F at midnight. How much did the temperature decrease?

_____

Name _____ Date _____ Class _____

LESSON 2-4

Practice B

Multiplying and Dividing Integers

Find each product.

1. $8 \cdot (-5)$ _____

2. $-4 \cdot 7$ _____

3. $-6 \cdot (-3)$ _____

4. $-2 \cdot 4$ _____

5. $4 \cdot (-9)$ _____

6. $-9 \cdot 5$ _____

7. $6 \cdot 8$ _____

8. $-7 \cdot (-3)$ _____

Multiply.

9. $-6 \cdot (-6)$ _____

10. $9 \cdot (-3)$ _____

11. $-2 \cdot (-8)$ _____

12. $5 \cdot (-7)$ _____

13. $10 \cdot 8$ _____

14. $-5 \cdot 9$ _____

15. $9 \cdot (-6)$ _____

16. $(-4) \cdot (-11)$ _____

Find each quotient.

17. $25 \div (-5)$ _____

18. $-54 \div (-6)$ _____

19. $-10 \div 5$ _____

20. $-28 \div (-4)$ _____

21. $-42 \div (-7)$ _____

22. $-21 \div 3$ _____

23. $36 \div (-6)$ _____

24. $-81 \div (-9)$ _____

25. $-32 \div 8$ _____

26. $45 \div (-9)$ _____

27. $-72 \div (-8)$ _____

28. $50 \div 10$ _____

29. $-42 \div 6$ _____

30. $-72 \div (-9)$ _____

31. $40 \div 8$ _____

32. $56 \div (-7)$ _____

33. Kim was walking down a rocky path. For 4 minutes, the elevation dropped steadily. Altogether it dropped 8 feet. What was the change in elevation per minute for the 4 minutes?

_____

34. As a front passed, the temperature changed steadily over 6 hours. Altogether it changed -18 degrees. What was the change in temperature per hour for the 6 hours?

_____

Name _____ Date _____ Class _____

LESSON 2-2

Puzzles, Twisters & Teasers

Chill Out!

Add each pair of integers. Write the letter on the line above the correct answer at the bottom of the page to solve this riddle:

Why did the girl put her money in the freezer?

R	$7 + (-16)$
S	$-3 + 10$
L	$-6 + (-13)$
H	$-7 + (-81)$
O	$-1 + (-5)$
E	$2 + (-20)$
C	$25 + 14$
W	$-3 + 28$
D	$9 + 4$
A	$-5 + (-12)$
T	$6 + (-22)$
N	$8 + (-7)$

___	___	___		___	___	___	___	___	___										
7	−88	−18		25	−17	1	−16	−18	13										
___	___	___	___		___	___	___	___		___	___	___	___	!					
39	−6	−19	13		−88	−17	−9	13		39	−17	7	−88						

Name _____ Date _____ Class _____

LESSON 2-3 Puzzles, Twisters & Teasers

Integer Invasion!

Subtract each pair of integers. Write the letter on the line above the correct answer at the bottom of the page to answer the following question:

What do you call a pan spinning through space?

C	$-12 - (-2)$
A	$-1 - 8$
J	$-3 - (-8)$
N	$6 - 10$
B	$-31 - 15$
U	$12 - (-6)$
O	$-15 - 15$
I	$30 - (-20)$
G	$-22 - (-5)$
D	$-4 - 21$
Y	$27 - 19$
E	$-10 - (-7)$
R	$2 - 9$
T	$-5 - 9$
F	$-8 - (-2)$

____	____										
−9	−4										

____	____	____	____	____	____	____	____	____	____	____	____
18	−4	50	−25	−3	−4	−14	50	−6	50	−3	−25

____	____	____	____	____	____		____	____	____	____	____	____
−6	−7	8	50	−4	−17		−30	−46	5	−3	−10	−14

Name _____ Date _____ Class _____

LESSON 2-4

Puzzles, Twisters & Teasers

It's Raining Money!

Solve the equations. Then use the letter associated with the answer to solve the riddle.

H	$3 \cdot (-3) =$	_____
E	$4 \cdot 2 =$	_____
N	$4 \cdot (-2) =$	_____
T	$-4 \cdot 3 =$	_____
I	$3 \cdot 3 =$	_____
S	$2 \cdot (-3) =$	_____
C	$-4 \cdot 1 =$	_____
G	$3 \cdot 2 =$	_____
A	$-3 \cdot -4 =$	_____
R	$5 \cdot 2 =$	_____

When does it rain money?

W																			
	−9	8	−8		−12	−9	8	10	8										
9	−6		−4	−9	12	−8	6	8		9	−8								
				W															
−12	−9	8			8	12	−12	−9	8	10