

Name _____ Date _____



Puzzle Time

Why Did The Golfer Wear Two Pairs Of Pants?

Write the letter of each answer in the box containing the exercise number.

Add.

1. $12 + 5$
2. $7 + (-7)$
3. $-10 + 2$
4. $9 + (-6)$
5. $-15 + 27$
6. $23 + (-23)$
7. $-17 + 12$
8. $13 + (-15)$
9. $-9 + (-9)$
10. $-14 + (-11)$
11. $12 + (-10) + 16$
12. $15 + (-15) + 12$
13. $-22 + 30 + (-26)$
14. $-8 + (-8) + (-9)$
15. $37 + (-21) + (-16)$
16. $-42 + 8 + 17$
17. $-30 + 34 + (-9)$
18. $14 + (-21) + 7$
19. $-25 + 17 + 6$
20. $-4 + (-8) + (-6)$

21. A roller coaster climbs 84 feet on the first hill then drops 60 feet down. On the second hill the roller coaster climbs another 32 feet then drops 44 feet. What is the height at the end of the second hill?

Answers

- | | |
|--------|--------|
| S. 18 | N. -18 |
| O. 12 | C. -8 |
| L. -17 | H. -25 |
| I. -5 | E. 0 |
| T. 17 | G. 3 |
| A. -2 | |

7	13		3	8	11	15		14	18		4	21	1		19		10	12	16	2
17	9		5	20	6															



Puzzle Time

What Did The Sea Say To The Sand?

Write the letter of each answer in the box containing the exercise number.

Subtract.

- | | |
|-----------------|------------------|
| 1. $3 - 11$ | 2. $-5 - 12$ |
| 3. $14 - (-10)$ | 4. $-9 - (-7)$ |
| 5. $25 - (-8)$ | 6. $-13 - (-13)$ |

Evaluate the expression.

- | | |
|----------------------|----------------------|
| 7. $-6 + 15 - (-4)$ | 8. $11 - 22 - (-8)$ |
| 9. $-14 - 7 - (-25)$ | 10. $17 + 8 - (-15)$ |
| 11. $-9 - (-4) - 2$ | 12. $-16 + 5 - 12$ |

Answers	
J. 24	H. 12
W. -8	G. 40
O. 33	E. -7
D. -2	I. 0
S. 25	N. -17
V. -3	A. -23
U. 13	T. 4

13. The high temperature for a day in January was 7 degrees Fahrenheit. The low temperature that day was -5 degrees Fahrenheit. What is the difference in temperatures?
14. The top of a sailboat mast is 22 feet above the water surface. The bottom of the sailboat is 3 feet below the water surface. What is the difference in the elevations?

2	5	9	13	6	2	10		6	9		3	7	14	9		1	12	8	11	4
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Puzzle Time

When Do Kangaroos Celebrate Their Birthdays?

A	B	C	D	E	F		G	H	I	J		K	L	M	N
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Complete each exercise. Find the answer in the answer column. Write the letter under the answer in the box containing the exercise letter.

36
G
12
O
-105
E
25
P
50
C
-60
D
72
S
45
N
-25
T
-42
U
49
P
-36
H
52
W
110
R

Multiply.

A. $5 \cdot (-12)$

B. $-14 \cdot 3$

C. $-10(-11)$

D. $8 \cdot (-7)$

E. $-9 \cdot (-5)$

F. $6(-2)(-3)$

G. $-4 \cdot 5 \cdot (-4)$

H. $(-7)(-3)(-5)$

I. $-15 \cdot 0 \cdot (-12)$

J. $(-5)^2$

K. -7^2

L. $-3^2 \cdot 8$

M. $(-4)^3$

N. You are making a necklace that is 9 inches long. You use 6 beads for each inch. What integer is the change in your supply of beads after making the necklace?

0
A
-25
M
-49
Y
-64
A
80
L
-50
U
100
B
64
F
-56
I
-110
J
66
S
-54
R
-72
E
54
K



Puzzle Time

What Did The Baseball Mitt Say To The Ball?

Circle the letter of each correct answer in the boxes below. The circled letters will spell out the answer to the riddle.

Divide.

1. $6 \div (-3)$

2. $-52 \div (-4)$

3. $-27 \div 3$

4. $-36 \div 2$

5. $56 \div (-8)$

6. $-24 \div (-3)$

7. $\frac{-18}{6}$

8. $\frac{25}{-5}$

9. $\frac{-16}{-4}$

10. $\frac{-66}{11}$

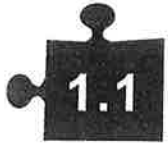
Evaluate the expression.

11. $32 \div (-2) + (-25) \div 5$

12. $4 \cdot (-3) + 12 \div (-4)$

13. You improve your time running a course by 5 seconds in week one, by 3 seconds in week two, and by 4 seconds in week three. What is the average weekly change in your running time?

B	C	A	R	T	S	C	H	E	Y	D	O	U	N	L	A	S	T	E	O	R
14	-21	4	12	13	2	8	-9	20	-7	15	-15	-3	9	-6	-18	-8	-2	-5	-13	-4



Puzzle Time

Did You Hear About...

A	B	C	D	E	F
G	H	I	J	K	L
M	N	O	P		

Complete each exercise. Find the answer in the answer column. Write the word under the answer in the box containing the exercise letter.

5 WHO
7.2 HOW
-9 MAN
-13 SOUP
$-\frac{4}{3}$ IT
-14 HE
$\frac{3}{4}$ ARE
$\frac{7}{8}$ IN
42 SOMETHING
4.5 WASH

Solve the equation.

- A. $x + 9 = -12$
- B. $-8 + k = -17$
- C. $-0.3 + r = 4.7$
- D. $f + 3\pi = 12\pi$
- E. $d - 6\pi = -\pi$
- F. $\frac{1}{8} = s - \frac{3}{4}$
- G. $m - \frac{1}{4} = -\frac{1}{3}$
- H. $-0.8b = 10.4$
- I. $46.2 = 4.2p$
- J. $-7\pi h = 98\pi$
- K. $12.5 = \frac{t}{\pi}$
- L. $3.9r = 17.55$
- M. $\frac{3}{8}q = -\frac{1}{2}$
- N. $-\frac{5}{6} = \frac{2}{3}w$
- O. Your dog weighs 28.5 pounds more than your cat. Your dog weighs 37.8 pounds. What is your cat's weight?
- P. Nathaniel's sister has $\frac{5}{6}$ as many songs on her MP3 player as he has on his MP3 player. His sister has 35 songs. How many songs does Nathaniel have?

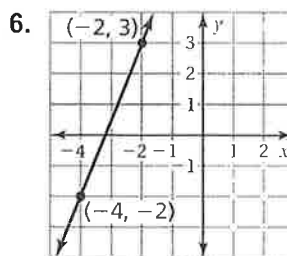
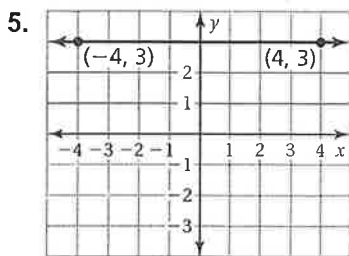
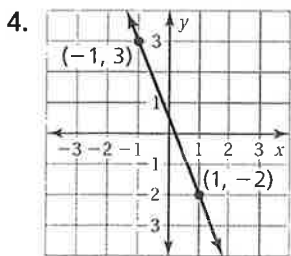
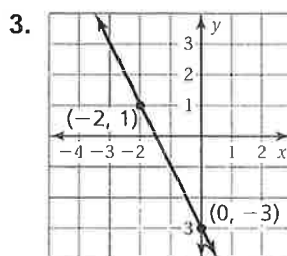
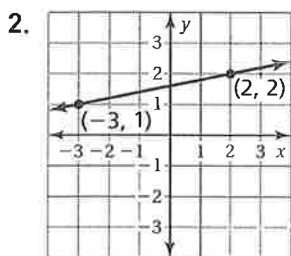
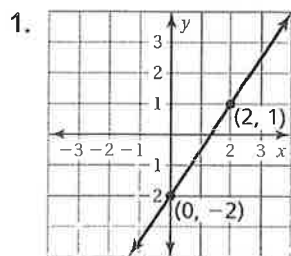
9.3 WITH
5π SOAP
12.5π COULD
8π WAS
$\frac{1}{12}$ HIS
9π PUT
$-\frac{5}{4}$ DOWN
11 SO
-21 THE
$-\frac{3}{5}$ THAT

4.2 Puzzle Time

What Did One Poppy Seed Say To The Other?

Circle the letter of each correct answer in the boxes below. The circled letters will spell out the answer to the riddle.

Find the slope of the line through the given points.



7. $(1, 4), (3, -2)$

8. $(1, 2), (1, -2)$

9.

x	-5	-3	3	5
y	15	7	-17	-25

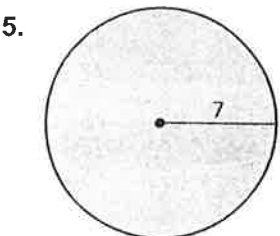
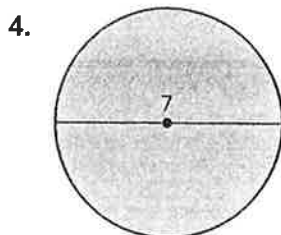
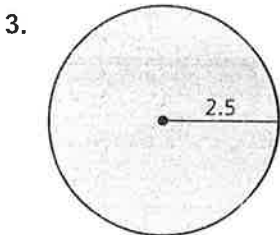
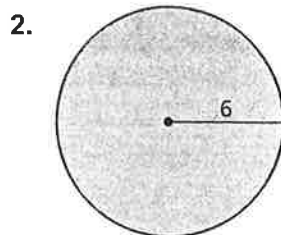
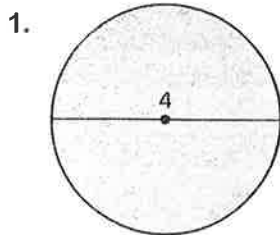
I	T	M	S	A	O	N	H	A	P	L	R	O	M	E	L	S	L
-2	$\frac{2}{5}$	0	$\frac{1}{6}$	$\frac{4}{3}$	$\frac{1}{5}$	-3	$\frac{1}{4}$	$\frac{3}{2}$	$\frac{1}{50}$	1	-4	$\frac{5}{2}$	$-\frac{1}{3}$	2	$-\frac{5}{2}$	5	und.

8.3 Puzzle Time

What Do Little Piggies Do As Soon As They Get Home From School?

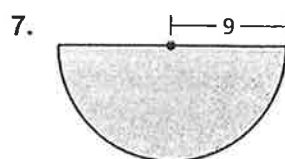
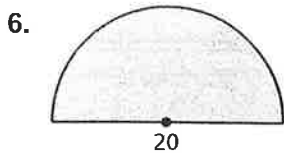
Write the letter of each answer in the box containing the exercise number.

Find the area of the circle. Use 3.14 or $\frac{22}{7}$ for π .



- | Answers | |
|---------|---------------------------|
| K. | 38.465 units ² |
| H. | 12.56 units ² |
| M. | 19.625 units ² |
| R. | 127.17 units ² |
| W. | 154 units ² |
| O. | 113.04 units ² |
| A. | 157 units ² |

Find the area of the semicircle. Use 3.14 for π .



1	6	3	5	2	7	4
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