

Name \_\_\_\_\_ Date \_\_\_\_\_



## 1.3 Puzzle Time

### Which King Was Purple and Had Many Wives?

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

Evaluate the expression.

1.  $15 + 8 \div 2$
2.  $3 \times 7 - 2 \times 3$
3.  $(6 + 10) \div 2$
4.  $4 \times (12 - 4)$
5.  $3^2 + 4^2 + 2^2$
6.  $(15 - 10)^2 + (15 - 5)^2$
7.  $33 \div 11 \times 12 \div 2$
8.  $9(3 + 2) - 3(8 - 7)$
9.  $7 \times (6 - 3)^2$
10.  $20 - 4^2 + 3^3$
11.  $\left(\frac{1}{3} + 2\frac{2}{3}\right) \times 13$
12.  $60 \div \left(6\frac{1}{7} - \frac{1}{7}\right) \times 4$
13.  $(0.6 + 7.4)^2 - 14$
14.  $4 \times (10.1 + 1.9) \div 2$
15.  $\frac{2^4 \times 5 + 8}{4}$
16.  $\frac{5(12 - 5) + 13}{6 + 2}$
17. You plan to practice playing guitar for 15 minutes on three weekdays and 20 minutes each on Saturday and Sunday. Evaluate the expression  $15 \times 3 + 20 \times 2$  to find the number of minutes you will practice during the entire week.

#### Answers

E. 18

N. 22

N. 29

R. 50

P. 6

H. 15

G. 85

T. 31

R. 24

E. 19

G. 42

A. 8

E. 125

I. 39

K. 32

Y. 63

H. 40

4	11	15	8		12	1	5	13	9		10	2	6		17	14	3	16	7
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# 2.4 Puzzle Time

## Did You Hear About...

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

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

44.5 BEAK	<b>Add.</b> A. $8.93 + 2.108$ B. $2.6 + 3.885$ C. $23.938 + 9.06$ D. $19.46 + 12.657$ E. $28.551 + 11.508$ F. $26.367 + 18.133$	32.998 WHO
11.524 ELECTRIC		20.692 COULD
3.31 A		41.691 BRIGHT
4.883 HE		11.038 THE
17.2 BULB		112.4 BILL
5.65 HAVE		2.145 LIGHT
6.485 BIRD	<b>Evaluate the expression.</b> M. $7.206 + 9.3 + 4.186$ N. $23.7 - 13.397 - 4.653$ O. $26.46 + 8.715 - 14.065$ P. $17.6 - 14.56 + 8.484$ Q. The rectangular sandbox at the local community park has a width of 24.5 meters and its length is 31.7 meters. What is the perimeter, in meters, of the rectangular sandbox?	21.11 AN
8.012 SWITCH		32.117 STUCK
7.652 WATER		3.562 SOCKET
2.633 SO		1.46 INTO
11.11 POND		43.21 DUCK
40.059 HIS		28.51 KILOWATT



## Puzzle Time

### How Did The Goblin Football Player Score The Winning Touchdown?

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

**Multiply.**

- |   |   |
|---|---|
| 1. $3.8 \times 8$   | 2. $5.1 \times 8$   |
| 3. $5.08 \times 7$  | 4. $2.24 \times 3$  |
| 5. $2.563 \times 3$   | 6. $0.024 \times 8$   |
| 7. $0.072 \times 3$   | 8. $0.0029 \times 6$  |
| 9. $\begin{array}{r} 0.8 \\ \times 0.3 \\ \hline \end{array}$     | 10. $\begin{array}{r} 0.07 \\ \times 0.2 \\ \hline \end{array}$     |
| 11. $\begin{array}{r} 0.006 \\ \times 0.04 \\ \hline \end{array}$ | 12. $\begin{array}{r} 0.0009 \\ \times 0.08 \\ \hline \end{array}$  |
| 13. $\begin{array}{r} 0.003 \\ \times 0.9 \\ \hline \end{array}$  | 14. $\begin{array}{r} 0.0007 \\ \times 0.005 \\ \hline \end{array}$ |
| 15. $2.25 \times 4.46$  | 16. $2.042 \times 6.408$  |

**Evaluate the expression.**

17.  $3.1 \times 5 + 9$       18.  $8.2(2.3 + 1.7)$
19.  $2^2 \times 3.3 + 7.645$       20.  $9.645 \times 3 \times 10$
21. A football weighs approximately 0.42 kilogram. The physical education teacher needs to purchase a dozen footballs. What will be the total weight, in kilograms, of the footballs to calculate shipping and handling?

Answers	
O. 30.4	R. 0.24
N. 0.014	E. 0.00024
H. 0.000072	I. 0.0027
L. 289.35	H. 0.192
V. 0.0174	U. 5.04
O. 0.0000035	T. 32.8
E. 24.5	A. 20.845
G. 40.8	E. 0.216
H. 10.035	N. 35.56
R. 6.72	E. 7.689
L. 13.085136	

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

### Did You Hear About The...

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

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

-5, -4, 1, 6 GOT
-7, -17, 7, 17 LIFT
-3, 3, -13, -33 DOWN
-1, -2, -4, -5 WHEN
-6 BECAUSE
-300 EXERCISE
4 DUMBBELLS
-5, -4, -2, -1 UP
-8 ALWAYS
-68, -8, 0, 60 THE

**Which number is greater?**

A. 4, 1                                      B. 7, -7

C. -2, 5                                      D. -8, -9

E. -4, -3                                      F. -6, -11

**Order the integers from least to greatest.**

G. 2, -6, 0, -3                              H. -4, 6, -5, 1

I. 7, -7, 17, -17                              J. -2, -5, -1, -4

K. 3, -3, -13, -33                              L. 0, -8, 60, -68

M. After the first round on a television game show, the three contestants have -\$300, \$600, and -\$400 respectively. Which of the three dollar amounts represents the lowest score in the game?

0, -8, 60, -68 RAN
-33, -13, -3, 3 AT
-400 GYM
5 WERE
-3, -6, 0, 2 EARLY
-3 LATE
-6, -3, 0, 2 THEY
7 THAT
-17, -7, 7, 17 HELD
-11 WEIGHTS

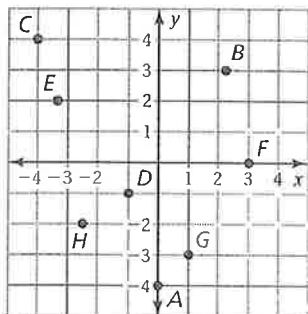
# 6.5 Puzzle Time

## What Has Stars and Stripes?

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

Write an ordered pair corresponding to the point.

- 1. Point A
- 2. Point B
- 3. Point C
- 4. Point D
- 5. Point E
- 6. Point F
- 7. Point G
- 8. Point H



Plot the ordered pair in a coordinate plane. Describe the location of the point.

- 9.  $(6, -2)$
- 10.  $(2\frac{1}{8}, 6)$
- 11.  $(-1, 2)$
- 12.  $(-4.8, -6.1)$

Plot the points and find the distance between the points.

- 13.  $(3, -4), (7, -4)$
- 14.  $(5\frac{1}{2}, 3), (5\frac{1}{2}, -2)$
- 15.  $(2, -2.4), (2, 4.6)$
- 16.  $(-1, 4), (-1, 6)$
- 17. A rectangle is drawn in a coordinate plane with the vertices  $A(-3, 4), B(6, 4), C(6, -3),$  and  $D(-3, -3)$ . Find the area of the rectangle.

### Answers for 1–8

- O.  $(2.25, 3)$
- E.  $(-3\frac{1}{3}, 2)$
- A.  $(0, -4)$
- E.  $(-4, 4)$
- A.  $(3, 0)$
- I.  $(-2\frac{1}{2}, -2)$
- O.  $(-1, -1)$
- U.  $(1, -3)$

### Answers for 9–12

- A. Quadrant I
- T. Quadrant II
- R. Quadrant III
- A. Quadrant IV

### Answers for 13–17

- B. 7
- Z. 63
- B. 4
- V. 5
- M. 2

9		16	4	14	8	3		10	13	2	7	11		6		17	5	15	12	1
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# 9.2 Puzzle Time

## What Is Really Easy To Get Into, But Really Hard To Get Out Of?

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

Find the mean of the data.

1.

Number of Text Messages Per Day	
Jill	22
Dylan	15
Bill	18
Bella	20
Drew	10

2.

Number of Cats Owned	
Louise	
Ted	
Mark	
Alexis	

3.

Number of TVs in Home	
Spencer	□□□□□
Megan	□□□□
Tyler	□□□
Ann	□□
Beth	□□□□□
Ashley	□□□□
Mike	□□□□□

4.

Number of Visits to the Stadium	Matt	Brady	Olivia	Ellie	Riley	Noah	Sam
	○○○○	○○	○○○○○	○○○	○○	○	○○○○

5. 12, 15, 18, 22, 25, 28

6. 2.6, 2.9, 3.2, 4.2, 5.6

Find the outlier of the data.

7. 60, 55, 65, 8, 57, 62

8. 2, 2, 3, 3, 4, 32

9. 11, 13, 13, 15, 15, 76

10. 18, 17, 1, 15, 19, 23

- Answers**
- G. 4
  - O. 3.7
  - E. 76
  - I. 2
  - R. 20
  - B. 32
  - U. 17
  - L. 3
  - T. 8
  - B. 1

8	2	3		7	5	6	1	10	4	9
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## Puzzle Time

### Why Did The Sea Monster Eat Six Ships That Were Carrying Potatoes?

A	B	C	D	E	F
G	H	I	J		

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

$\frac{x}{3} = 12$ <p>JUST</p>
$550 + x = 1250$ <p>SHIP</p>
$x + 5 = 14$ <p>IT</p>
$x - 13 = 15$ <p>ONE</p>
$24 = 4 + x$ <p>CAN</p>

Write the word sentence as an equation.

- A. The sum of a number  $x$  and 5 equals 14.
- B. A number  $x$  decreased by 6 is 5.
- C. 7 times a number  $x$  is 42.
- D. A number  $x$  divided by 8 equals 11.
- E. 24 equals 4 more than a number  $x$ .
- F. 9 is one-third of a number  $x$ .
- G. 12 is the quotient of a number  $x$  and 3.
- H. 13 less than a number  $x$  equals 15.
- I. You throw a football 20 yards. Your friend throws the same football  $x$  yards. The football was thrown a total distance of 50 yards. Write an equation you can use to find the distance  $x$  that your friend threw the football.
- J. Students raised \$550 by having a car wash. They need \$1250. Write an equation you can use to find the amount  $x$  that the students still need to raise.

$\frac{x}{8} = 11$ <p>ONE</p>
$20 + x = 50$ <p>POTATO</p>
$7x = 42$ <p>NO</p>
$9 = \frac{1}{3}x$ <p>EAT</p>
$x - 6 = 5$ <p>SEEMS</p>