



Puzzle Time

Did You Hear About The...

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.

320 FOR
4436 TEST
181,632 BECAUSE
40 TO
4091 SPIDER
15,275 CAR
52 FAST
4460 TO
$44\frac{17}{164}$ IT
6 WANTED
18,622 WEB

Find the value of the expression.

- | | |
|---|---|
| <p>A. $3328 + 763$</p> <p>C. $2857 + 2788$</p> <p>E. $6054 - 1618$</p> <p>G. 73×26</p> <p>I. 528×344</p> <p>K. $432 \div 72$</p> <p>M. $\frac{5409}{50}$</p> <p>O. Piano lessons cost \$20 per week. How much will it cost, in dollars, for 16 weeks of piano lessons?</p> <p>P. The scores of the first two football games were 28 and 35. What was the total number of points scored in the first two football games?</p> <p>Q. The school store has 14 boxes of notebooks with the school mascot on them. If there are 980 notebooks, how many notebooks are in each box?</p> | <p>B. $6462 + 2841$</p> <p>D. $8583 - 4123$</p> <p>F. $3527 - 2072$</p> <p>H. 235×65</p> <p>J. $24 \overline{)864}$</p> <p>L. $8960 \div 224$</p> <p>N. $\frac{7233}{164}$</p> |
|---|---|

5645 ASKED
$108\frac{9}{50}$ TAKE
63 A
1455 DRIVE
60 SIGN
1898 A
70 SPIN
36 HE
7 BUMPER
9303 THAT
11 LIMIT

1.2 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.

15 HITS	<p>Write the product as a power.</p> <p>A. 8×8 B. 12×12</p> <p>C. $3 \times 3 \times 3 \times 3 \times 3$ D. $9 \bullet 9 \bullet 9 \bullet 9$</p> <p>E. $5 \bullet 5 \bullet 5$ F. $4 \bullet 4 \bullet 4 \bullet 4 \bullet 4 \bullet 4$</p> <p>G. $11 \bullet 11 \bullet 11 \bullet 11 \bullet 11$ H. $7 \times 7 \times 7$</p> <p>Find the value of the power.</p> <p>I. 2^4 J. 3^3</p> <p>K. 4^3 L. 10^4</p> <p>M. 6^2 N. 5^2</p> <p>Determine whether the number is a perfect square.</p> <p>O. 12 P. 144</p> <p>Q. You are arranging chairs in the auditorium for the talent show. The number of rows is to be the same as the number of chairs per row. You will need a total of 225 chairs. How many chairs will be in each row?</p>	25 A
5^3 CREATED		12^2 BASEBALL
46 CATCHER		10,000 TO
27 HE		8^2 THE
No LOT		56 INNING
7^3 SITE		9^4 WHO
64 WANTED		72 HOMERUN
11^5 WEB		4^6 A
36 GET		Yes OF
3^5 PLAYER		16 BECAUSE
71 SURF	17 STRIKE	

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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1.4 Puzzle Time

Did You Hear About...

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

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

1, 63; 3, 21; 7, 9 A
90 TO
$3^2 \cdot 5$ BAG
$3 \cdot 5^2$ SPEND
3^4 TO
1, 18; 2, 9; 3, 6 THE
300 WAKE
$3 \cdot 11$ HAD
252 WEEKS
1, 55; 5, 11 BOUGHT
1, 16; 2, 8; 4, 4 UP

List the factor pairs of the number.

- A. 18 B. 36
C. 41 D. 55
E. 63 F. 87

Write the prime factorization of the number.

- G. 12 H. 45
I. 60 J. 33
K. 81 L. 75

Find the number represented by the prime factorization.

- M. $2 \cdot 5 \cdot 17$ N. $2^2 \cdot 3^2 \cdot 7$
O. $2^2 \cdot 5 \cdot 11$ P. $2 \cdot 3^2 \cdot 5$
Q. $2^2 \cdot 3 \cdot 5^2$ R. $2 \cdot 3 \cdot 5^2$

- S. The football cheerleaders consist of 16 members. The cheerleading coach places the cheerleaders in rows. Each row has the same number of members. Find the possible row arrangements.

1, 36; 2, 18; 3, 12; 4, 9; 6, 6 CAMPER
400 SUNRISE
1, 87; 3, 29 NEW
$2^2 \cdot 3 \cdot 5$ AND
170 TWO
5^2 NIGHT
1, 41 WHO
150 IT
220 TRYING
$2^2 \cdot 3$ SLEEPING



Puzzle Time

Why Did The Horse Put On A Blanket?

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

Find the GCF of the numbers.

1. 12, 28

2. 15, 60

3. 9, 24

4. 16, 72

5. 35, 56

6. 33, 46

7. 26, 52

8. 45, 54

9. 42, 54

10. 34, 85

11. 48, 64

12. 77, 121

13. 20, 30, 90

14. 42, 63, 84

15. 36, 54, 108

Solve.

16. Your local minor league baseball team has 120 ball caps, 180 miniature baseball keychains, and 240 glow in the dark bracelets to give away to children on opening day. The items will be split into identical sets with no items left over. Each child will receive one set of items. What is the greatest number of children that will receive a set of items on opening day?

A	H	E	B	E	G	H	W	I	L	A	T	S	B	A	L	L	B	I
99	11	2	31	9	50	5	26	43	29	4	40	17	32	8	25	16	76	10
A	T	X	E	T	K	R	L	T	E	A	R	C	R	O	W	L	A	T
22	7	55	24	15	34	30	18	28	3	19	100	21	35	6	27	1	81	60

1.6 Puzzle Time

What Does A Computer Do When It Gets Hungry?

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

Find the LCM of the numbers.

- 1. 5, 9
- 2. 2, 11
- 3. 12, 16
- 4. 3, 8
- 5. 7, 9
- 6. 10, 14
- 7. 13, 39
- 8. 30, 45
- 9. 14, 21
- 10. 6, 10
- 11. 15, 20
- 12. 18, 24
- 13. 2, 3, 11
- 14. 2, 4, 6
- 15. 8, 10, 16
- 16. One local radio station plays a commercial every 6 minutes. Another local radio station plays a commercial every 9 minutes. Both radio stations just played commercials. How many minutes will pass before both local radio stations play commercials again at the same time?

Answers

- T. 60
- E. 22
- E. 42
- B. 63
- E. 72
- T. 80
- S. 70
- Y. 12
- T. 45
- G. 30
- O. 39
- T. 18
- I. 24
- A. 90
- T. 66
- A. 48

4	13		10	2	15	6		8		5	14	1	12		16	7		9	3	11
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