



Spruce Lake

Outdoor School

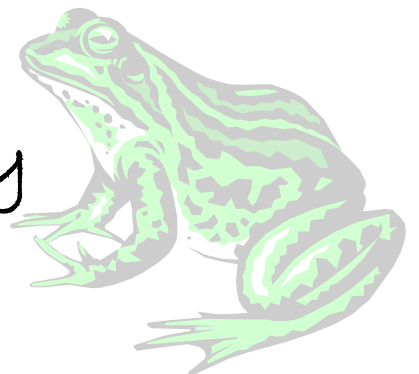


2021



Trip Journal

Teacher's Answer Key



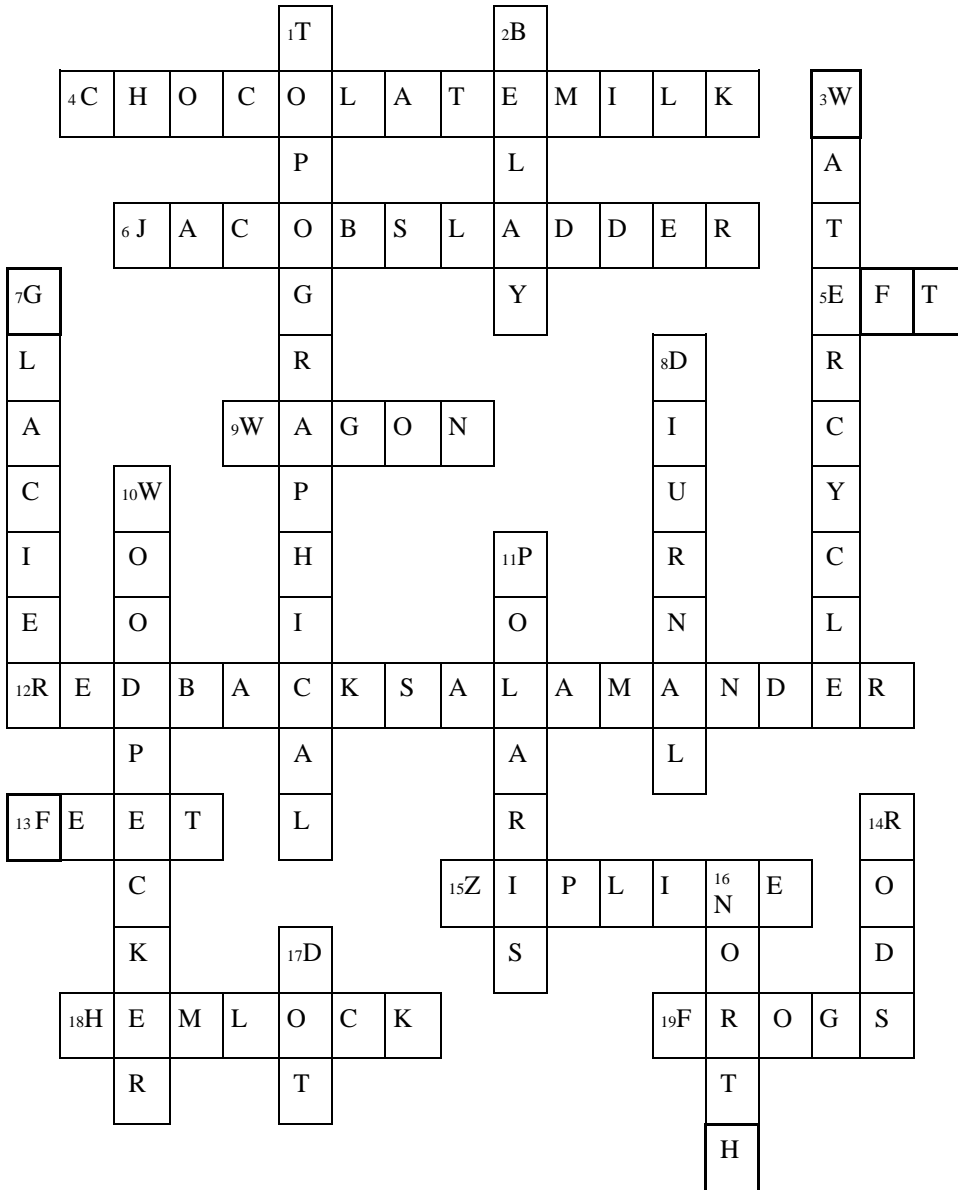
Teachers' Answer Key to SLOS Journal Puzzles

From Page 3

- | | | |
|-----|--------------------------|--|
| 1. | 26 L of the A | 26 letters of the alphabet |
| 2. | 7 W of the A W | 7 wonders of the ancient world |
| 3. | 1001 A N | 1001 Arabian nights |
| 4. | 12 S of the Z | 12 signs of the zodiac |
| 5. | 54 C in a D (with the J) | 54 cards in a deck (with the jokers) |
| 6. | 8 (once 9) P in the S S | 8 (once 9) planets in the solar system |
| 7. | 88 P K | 88 piano keys |
| 8. | 13 S on the A F | 13 stripes on the American flag |
| 9. | 18 H on a G C | 18 holes on a golf course |
| 10. | 32 D F at which W F | 32 degrees at which water freezes |
| 11. | 90 D in a R A | 90 degrees in a right angle |
| 12. | 200 D for a P G in M | 200 dollars for passing go in monopoly |
| 13. | 8 S on a S S | 8 sides on a stop sign |
| 14. | 3 B M (S H T R) | 3 blind mice (see how they run) |
| 15. | 1 W on a U | 1 wheel on a unicycle |
| 16. | 5 D in a Z C | 5 digits in a zip-code |
| 17. | 57 H V | 57 Heinz varieties |
| 18. | 11 P on a F T | 11 players on a football team |
| 19. | 1000 W that a P is W | 1000 words that a picture is worth |
| 20. | 29 D in F in L Y | 29 days in February in leap year |
| 21. | 64 S on a C B | 64 squares on a checker (or chess) board |
| 22. | 40 D and N in N A | 40 days and nights in Noah's ark |



From page 7



From page 12

1. Use four 9s in a math equation to equal 100.

Answer: $99 + (9 \div 9) = 100$

2. 1, 3, 6, 10, 15, 21, ____ What number comes next?

Answer: 28

3. Solve this. $(x-a)(x-b)(x-c)(x-d) \dots (x-z)$

Answer: 0

Explanation: If you think it through, you will eventually get $(x-x)$ which would be zero. Therefore the whole thing equals 0.

4. Find the numbers A, B, C, and D so that the following works.

$$\begin{array}{r} \mathbf{ABCD} \\ \underline{\quad X4} \\ \mathbf{DCBA} \end{array}$$


Answer: A=2, B=1, C=7, D=8

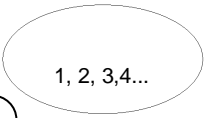
5. Use five 0s and any math operators to get 120.

Answer: $(0! + 0! + 0! + 0! + 0!)! = 120$

Explanation: $0! = 1$ and $5!$ (five factorial) is equal to $5 \times 4 \times 3 \times 2 \times 1$

From page 13

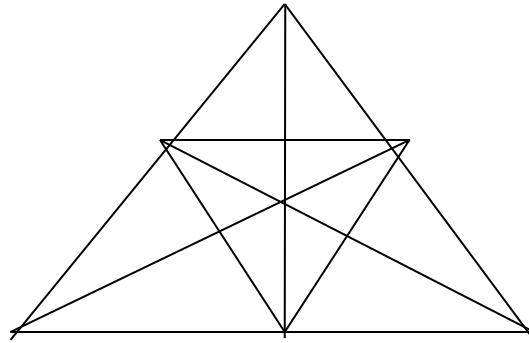
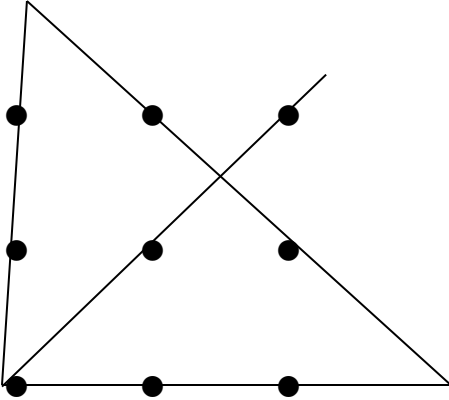
- | | |
|--|------------------------------|
| 1. kiss & K
E
A
M | kiss and make up |
| 2. Stands
Jesus | Jesus understands |
| 3.
<hr/> Read <hr/> | read between the lines |
| 4. R
G rosie I
N | ring around the rosie |
| 5. gniklaw | walking backwards |
| 6. ALL _{world} | it's a small world after all |
| 7. ggse | scrambled eggs |
| 8. busines | unfinished business |
| 9. Thought | it's the thought that counts |
| 10. oLDER | growing older |
| 11. cof fee | coffee break |
| 12. 1@3:14 | one at a time |
| 13. right=right | equal rights |
| 14.  ROGER | roger over and out |



From page 14

t a c s d e l a w a r e r i v e r c
e s c h h e c a r a b b a f u l h y
e o o a m h a n n a h e t u y a a r
s f u l l d r n o y a r r l l n y r
s p r a y f i e l d l s r l s y s e
a c a t s p r a y l l e e v p p c b
v e t a r b e t r e v n f a r o e r
e h p o r b i o c d g s t l u n n a
r e t o t v a o e e r e w u c i t b
c l o w a i r l b u o s o e e e e
i h n r n n a y i o t i r c m u d s
c o g o s h c n g o r f d o o w f e
e s r n s h s a y r o f o n u v e n
r i a o o a d e v b o w g t n a r a
d k a i t n y l o i w s h r t r n p
e s c a r p m e n t t i s a a g r a
a e s a l a a a n t g l a c i e r j
t r e n i b a r a c r u u t n y l o

From Page 18



There are 47 triangles in this shape.

		A	A	A	
		B	B	C	C
	A		B		
				B	
C	C				