

GRADE 4

Spirit of Math International Contest 2023

Score:

/30

INSTRUCTIONS



Student Name:

2023 Spirit of Math Grade 4 Contest

1)	55 -	- 45 + 28 + 2	2 + 20	=					
	A)	20	B)	60	C)	80	D)	100	
2)	Wh	at's the next n	umber	in this pattern?	? 12, 1	9, 26, 33, _			
	A)	39	B)	40	C)	54	D)	60	
3)	Lind how	a baked 15 c many childrei	ookies 1 does	for her childre Linda have?	n. lf ec	ich of her cl	hildren g	ets 3 cookies,	
	A)	2	B)	3	C)	4	D)	5	
4)	This tem	morning at 9 perature had	AM, the	e temperature y 5 degrees. V	outside Vhat w	e was –4°C. as the temp	. By noor perature	n, the at noon?	
	A)	-4 C	Б)	υC	C)	IC	ן ט		·····
5)	lf yo num	ou were to put ber would be	the fo in the r	llowing number niddle? 13, 22	rs in or 2, —10,	der from le 6, 16	ast to gre	eatest, which	
	A)	6	B)	16	C)	13	D)	22	
0)	A p bac end A)	alinarome is a kwards (for ex of 1434 to m 1	ample ake it (B)	r or word find , 2552, or MO a 5-digit palin 2	drome C)	hat digit sho number? 4	ould be p D)	olaced at the	
7)	Cinc and trea A)	dy-Lu had a ha a red strawb it that was not the candy	ard time erry cu the ca B)	e deciding bet pcake as a tre ndy cane. Whe the cupcake	ween c at for at was C)	a green min nerself. She the other of neither	t candy c chose th ne? D)	cane, of the apple	
		cane							
				Space fo	or roug	h work			

	A)	circle into? 2	B)	3	C)	4	D)	5
9)	Jaso cars	on has a collec s are blue?	tion of	16 toy cars. A	All but f	our of his car	s are k	olue. How many
	A)	11	B)	12	C)	13	D)	14 -
10)	A n	umber plus its _l	perfec	t square is equ	ual to 2	0. What is the	e numk	per?
	A)	2	B)	4	C)	6	D)	8 –
11)	My tod	birthday is on ay's date?	March	n 17 th ! If my bii	rthday	is in two week	as from	n today, what is
	A)	March 1 st	B)	March 2 nd	C)	March 3 rd	D)	March 4 th
13)	writ new A) Mai Wh	ten in upper-co / language? HAH ndeep rolls a 6 at is the probc	ase. W B) p-sided ability	MUUM MUUM die, with each that she will ro	C) face n II an or	would NOT b AVIVA umbered conso dd number?	e a wo D) ecutive	NON -
	A)	$\frac{1}{2}$	B)	$\frac{2}{3}$	C)	<u>5</u> 6	D)	1
				Space f	or roug	ıh work		

2023 Spirit of Math Grade 4 Contest

14)	When I turn 25, my mom will be twice that age. How old was my mom when I was 5?						
	A) 20	B) 25	C)	30	D)	35	
15)	Six friends exch were exchanged A) 10	anged Valentin d amongst them B) 12	e's Day cards ? C)	with each o 20	ther. How D)	many cards 30	
16)	One apple weig about how many A) 0.14 kilogra	ghs about 140 g / kilograms wou ams B) 0.28	grams. If there Ild 10 apples kilograms C)	are 1000 (weigh? 1.4 kilogr	grams in T ams D)	1 kilogram, 2.8 kilograms	
17)	My Aunt Allison and 40 legs am	has a lot of pe ongst her pets,	t dogs and bir how many birc	ds! If there ds does she	are a toto have?	al of 14 heads	
	A) 5	B) 6	C)	7	D)	8	· · · · · · · · · · · · · · · · · · ·
18)	Emilo made a ne What shape wil a cube?	et for a cube a l be opposite o	nd put a differ f the circle wh	ent shape c en he folds	on each fo the net in	to	
	A) triangle	B) diam	ond C)	x	D)	heart	
			Space for roug	jh work			

19) The houses on Tessa's street are numbered consecutively, and are only evennumbered. If the house numbers start at 14 and end at 32, how many houses are on Tessa's street?

18

A) 9 B) 10 C)

20) How many different ways can you arrange the letters in the word SPOONS, including the way that spells SPOONS?

- A) 60 B) 180
- 21) Students in a Grade 4 class took a survey about their favourite types of pizza. Based on the data shown in this graph, which of the following statements is certain?
 - A) Three more students like cheese than Hawaiian.
 - B) An equal number of students like pepperoni and Hawaiian.



D)

20

pepperoni and Hawaiian. total.
22) Lucy used some magic seeds to plant her garden. She planted 14 seeds in a straight line, leaving a space of 5 inches between each seed. How many inches were there

between the first seed and the last seed?

Which question below requires the correct logical thinking to solve this problem?

- A) How many seeds did Lucy plant?
- C) When did Lucy plant her seeds?
- B) How many spaces are there between the first and last seed?
- D) How many spaces are there between the first and second seed?



2023 Spirit of Math Grade 4 Contest

23) One afternoon, Amelie used green and black beads to make bracelets. Fifteen bracelets were made with only black beads, and six bracelets had both black and green beads. If she made 33 bracelets in total that afternoon, how many bracelets were made with only green beads?

A) 12 B) 15 C) 18 D) 21

24) Crystal is flying from Toronto to Vancouver. The flight takes 5 hours, and Crystal's plane takes off at 11:30 AM. If Vancouver time is 3 hours behind Toronto, what is the local time when Crystal's plane arrives in Vancouver?

A) 1:30 AM B) 1:30 PM

25) Lydia leaves her school to head home, but she needs to return a book to the library (☆) first. If she only walks North and East, how many different ways can she take to get home if she must go to the library first?

C) 156

C)

4:30 PM

D)

D)

210

©2023 Spirit of Math Schools® Inc.

7:30 PM

A) 15 B)

26)Help Sonia figure out the answer to this equation: XII + IX × VIII = ?A)84B)92C)126D)168

90

27) Grandma noticed that her old vase was broken. She asked her three grandchildren, Alisha, Yujin, and MJ, who broke it. Yujin said "I did it", Alisha said "Yujin and I did not do it", and MJ said "I saw Yujin did it". If only one grandchild told the truth, then who broke the vase?

A) Alisha	B) Yujin	C) MJ	D) Impossible to tell	
	Space	e for rough work		1

28) Winston is deciding between two streaming services. MovieFlix costs \$7 a month for the first 3 months, then \$10 a month after that. MoviesPlus costs \$70 for an entire year of service. If Winston only keeps his streaming service for 8 months, which option works out to be the least expensive overall?



To promote co-operation, inspire confidence and Release the Genius® in every child.

For more information, please visit: **spiritofmathcontest.com**

