

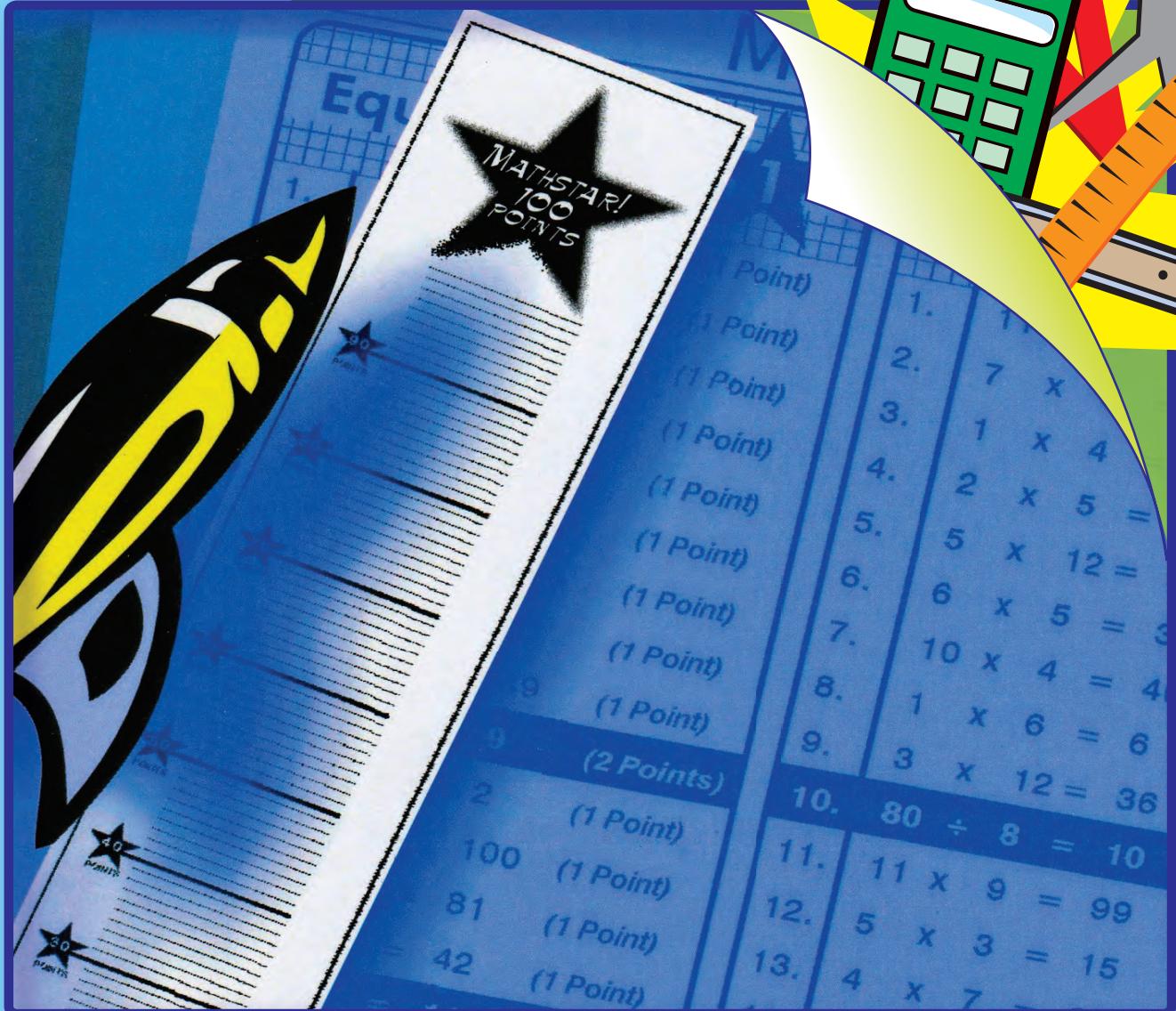
Mathematics

Activity Book

MathStar!

Teacher Edition

GRADES 5-6



NewPATH
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Find-a-Sum

Students can play one Find-a-Sum game (see pages 52-59) during the last week of each school term.

Instructions:

In the 20 by 20 grid of numbers, students are required to find a series of 3 numbers that create a sum without the addition, subtraction, multiplication, division or equals sign appearing.

A star is drawn around each of the chosen numbers. Explain to students that each correctly completed Find-a-Sum game represents the night sky in a galaxy far, far away.

Two examples are shown in this diagram:

$$60 + 6 = 66$$

$$18 + 6 = 24$$

Prizes can be allocated for students who find the most sums in a given time. A total of 55 sums is given on the answer page for each Find-a-Sum game. As a special MATHSTAR! Challenge students might like to try to find further sums that are not shown on this answer page.

Mathstar! Find-a-Sum - Addition

2	1	8	9	73	11	18	73	131	19	28	3	2	113	10	58	43	7	50	2
20	11	9	13	5	27	5	31	61	1	32	11	5	9	5	11	55	10	45	5
6	24	18	12	69	78	13	5	10	20	132	4	86	51	4	79	60	59	14	88
118	5	45	3	59	9	1	20	49	8	57	83	17	44	38	6	70	3	2	7
20	35	16	8	3	78	28	2	3	112	8	80	4	41	22	49	2	28	12	83
33	9	67	34	37	9	3	24	30	57	10	10	21	83	39	9	9	3	54	3
88	47	1	11	48	72	60	11	23	12	49	6	77	69	15	29	80	9		
6	37	4	49	7	42	2	18	66	44	113	17	46	3	4	11	2	54	3	65
74	3	88	65	55	48	3	8	28	46	120	12	132	4	81	38	59	3	78	8
8	45	10	2	12	4	42	11	23	18	32	4	101	40	58	57	42	9	51	57
38	55	41	61	19	7	36	9	73	48	103	8	10	124	3	6	9	2	65	5
88	11	3	6	3	44	127	2	125	19	25	1	24	48	48	55	28	63	113	82
30	12	54	52	67	6	118	3	121	55	10	102	83	5	52	12	18	38	80	4
72	33	15	5	83	38	4	50	98	39	2	5	71	7	40	7	60	9	85	118
32	5	27	81	10	9	1	72	68	70	64	13	57	12	17	9	71	29	27	17
20	12	123	3	83	2	143	6	9	108	11	9	66	110	11	88	8	4	68	1
6	5	66	2	7	11	51	61	58	56	87	11	78	60	78	1	43	70	11	18
10	29	111	12	123	33	21	74	19	80	77	75	68	82	131	133	3	67	9	80
64	100	6	77	107	128	88	2	90	11	98	5	101	2	12	3	6	37	4	83
88	7	61	2	92	120	100	12	23	6	91	1	85	3	82	87	83	95	136	2

Mathstar!

Equation List

1. $4 \times 2 = 8$ (1 Point)
2. $11 \times 11 = 121$ (1 Point)
3. $3 \times 4 = 12$ (1 Point)
4. $9 \times 3 = 27$ (1 Point)
5. $4 \times 11 = 44$ (1 Point)
6. $6 \times 3 = 18$ (1 Point)
7. $2 \times 9 = 18$ (1 Point)
8. $1 \times 1 = 1$ (1 Point)
9. $7 \times 7 = 49$ (1 Point)

- 10. $63 \div 7 = 9$ (2 Points)**

11. $2 \times 1 = 2$ (1 Point)
12. $10 \times 10 = 100$ (1 Point)
13. $9 \times 9 = 81$ (1 Point)
14. $7 \times 6 = 42$ (1 Point)

- 15. $44 \div 4 = 11$ (2 Points)**

16. $5 \times 4 = 20$ (1 Point)
17. $3 \times 7 = 21$ (1 Point)
18. $12 \times 12 = 144$ (1 Point)
19. $6 \times 4 = 24$ (1 Point)

- 20. $12 + 9 - 3 = 18$ (2 Points)**

21. $9 \times 7 = 63$ (1 Point)
22. $6 \times 8 = 48$ (1 Point)
23. $3 \times 2 = 6$ (1 Point)
24. $11 \times 3 = 33$ (1 Point)

- 25. $47 - 14 + 7 = 40$ (3 Points)**

Equation List

1. $11 \times 6 = 66$ (1 Point)
2. $7 \times 8 = 56$ (1 Point)
3. $1 \times 4 = 4$ (1 Point)
4. $2 \times 5 = 10$ (1 Point)
5. $5 \times 12 = 60$ (1 Point)
6. $6 \times 5 = 30$ (1 Point)
7. $10 \times 4 = 40$ (1 Point)
8. $1 \times 6 = 6$ (1 Point)
9. $3 \times 12 = 36$ (1 Point)

- 10. $80 \div 8 = 10$ (2 Points)**

11. $11 \times 9 = 99$ (1 Point)
12. $5 \times 3 = 15$ (1 Point)
13. $4 \times 7 = 28$ (1 Point)
14. $1 \times 8 = 8$ (1 Point)

- 15. $45 \div 5 = 9$ (2 Points)**

16. $8 \times 6 = 48$ (1 Point)
17. $2 \times 12 = 24$ (1 Point)
18. $6 \times 10 = 60$ (1 Point)
19. $5 \times 11 = 55$ (1 Point)

- 20. $27 - 8 + 1 = 20$ (2 Points)**

21. $9 \times 11 = 99$ (1 Point)
22. $12 \times 8 = 96$ (1 Point)
23. $2 \times 3 = 6$ (1 Point)
24. $8 \times 11 = 88$ (1 Point)

- 25. $35 + 13 + 5 = 53$ (3 Points)**

Mathstar!

Name: _____

SUBTOTALS										
71	18	16	7	42	6	131	78	27	48	
5	85	7	13	96	34	56	108	90	19	
49	79	18	24	3	18	20	52	121	81	
10	21	39	14	29	121	30	7	4	5	
33	47	2	19	22	66	20	6	45	29	
25	13	76	4	63	83	44	9	18	36	
15	144	41	24	47	13	1	75	109	100	
98	32	119	65	88	67	60	11	17	50	
70	40	8	67	44	28	14	3	12	23	
78	55	99	47	31	69	98	19	10	77	

How many points did you score?

Game 1

SUBTOTALS										
99	66	28	24	17	28	103	20	128	35	
55	75	91	143	100	40	36	107	60	114	
8	101	8	68	14	31	35	73	90	96	
29	6	69	7	100	3	64	110	34	8	
33	22	52	5	56	23	59	120	5	97	
9	2	10	144	128	20	98	139	70	15	
12	88	138	83	17	34	48	72	116	26	
18	126	4	10	84	8	80	29	53	44	
86	36	108	6	136	79	60	112	95	65	
20	41	30	71	21	30	13	99	9	10	

How many points did you score?

Game 2