

NUMERACY GAMES: MASTERS

A South African Numeracy Chair Project initiative



ACKNOWLEDGEMENTS

The work of the SA Numeracy Chair project, Rhodes University is supported by the FirstRand Foundation (with the RMB), Anglo American Chairman's fund, the Department of Science and Technology and the National Research Foundation. Additional funding for club work and resources is provided by the Vestas Empowerment Fund.

SCOOT RESOURCES



1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	18	20



1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	18	20

SCOOT Recording Sheet (10 questions)

1	2	3	4	5
	7	0	0	10
6	/	8	9	10



1	2	3	4	5
	_			40
6	7	8	9	10





SCOOT Recording Sheet (30 questions)



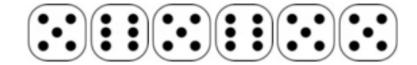
1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30



1	2	3	4	5
32	a) 4 x 4 x 4	99	500	20
6	7	8	9	10
498	a) 12 x 12	297	340	148
11	12	13	14	15
156	13	130°	-0.25	$(\mathbf{\xi})\frac{7}{12}$
16	17	18	19	20
$a)$ $\frac{1}{2}$ and	2060	100°	480	4 spiders
0.5				to 2 snakes or
21	22	23	24	25
90°	71	-45; -60	-20	-2500
26	27	28	29	30
60°	101	750; 1000	20	28

1	2	3	4	5
32	a) 4 x 4 x 4	99	500	20
6	7	8	9	10
498	a) 12 x 12	297	340	148
11	12	13	14	15
156	13	130°	-0.25	E) $\frac{7}{12}$
16	17	18	19	20
16 a) ½ and	17 2060	18	19 480	4 spiders
_				4 spiders to 2
a) 1/2 and				4 spiders
a) ½ and 0.5	2060	100°	480	4 spiders to 2 snakes or
a) ½ and 0.5 2 1	2060	100°	480 24	4 spiders to 2 snakes or 2 5
a) 1/2 and 0.5 2 1 90°	2060 22 71	100° 23 -45; -60	480 24 -20	4 spiders to 2 snakes or 2 5 -2500



Add 10 to 297

Quick thinking. Try not to work it out.

If 14 - 9 = 5

what is 74 - 9?

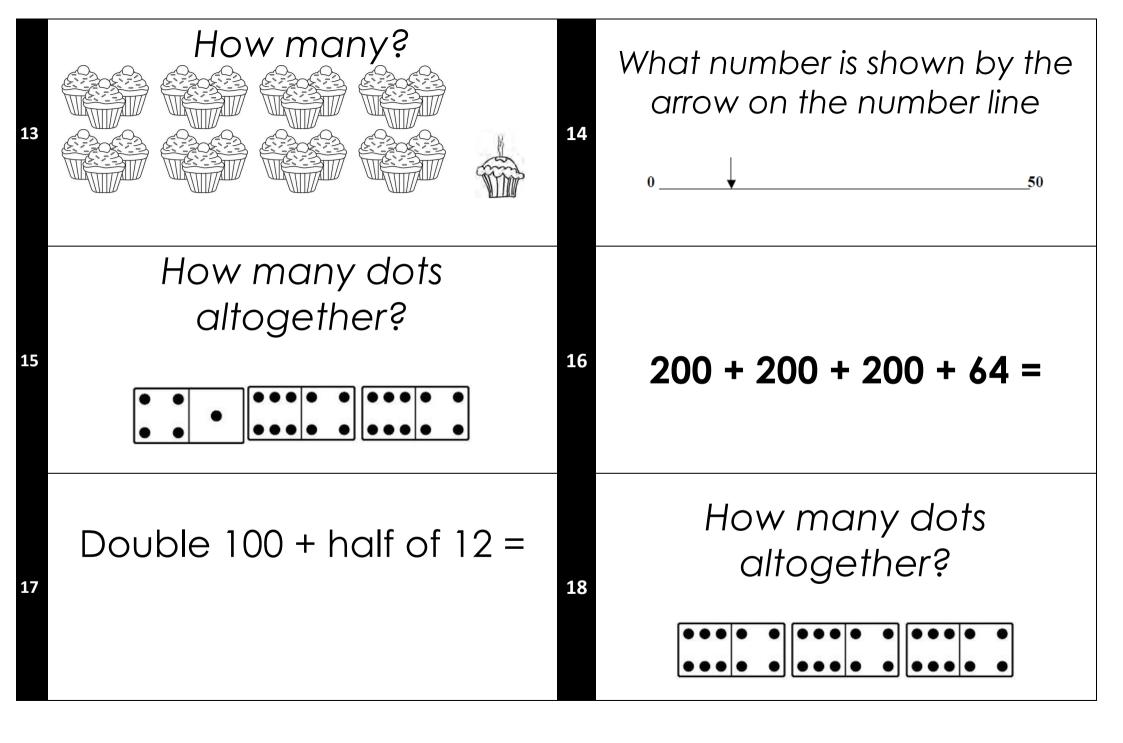
What number is shown by the arrow on the number line

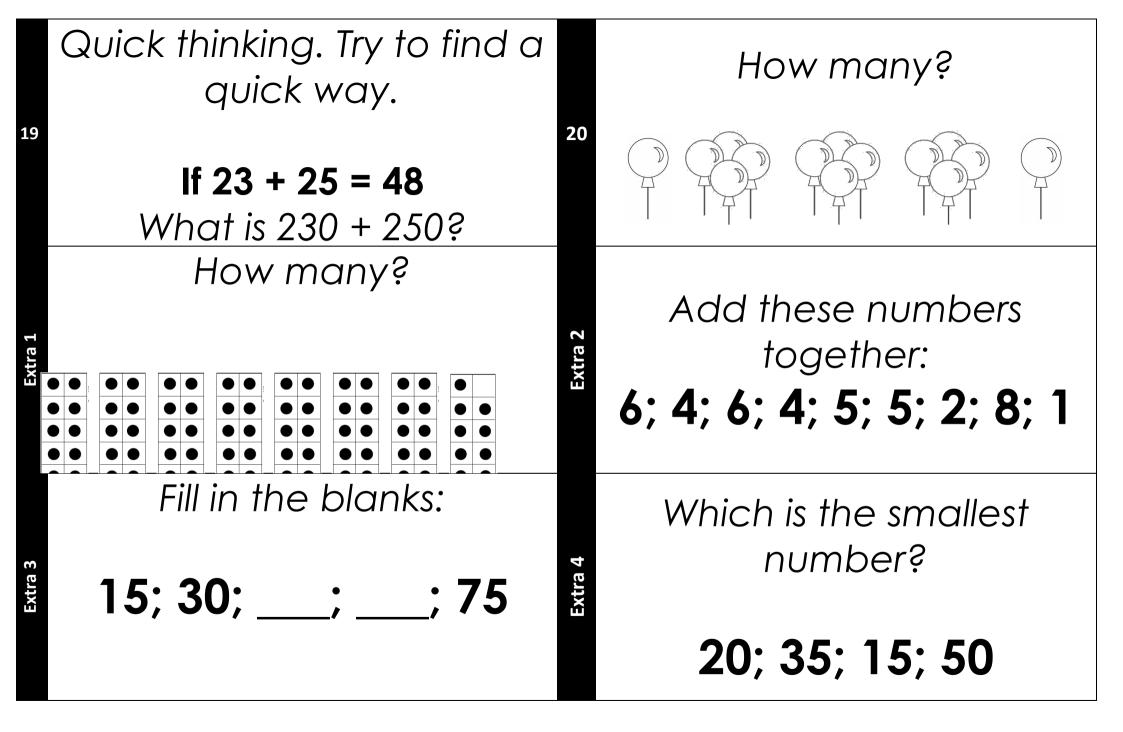
Quick thinking. Try to find a quick way.

If 3 sets of 8 = 24 what is 8 sets of 3?

Add 100 to 398

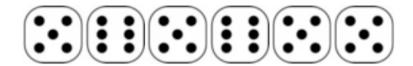
How many? Quick thinking. Try to find a quick way. 99 + 99 + 99 =Quick thinking. Try to find a Half 50, then take away 10, quick way. then add 100 If 23 + 125 = 148What is 123 + 25? Quick thinking. Try to find a What is the quick way. missing 25 | 23 | 24 number? If 3 sets of 4 = 12what is 4 sets of 3?







How many dots?



Quick thinking. Try not to work it out.

If
$$33 + 99 = 132$$
 what is $132 - 99?$

Quick thinking. Try to find a quick way.

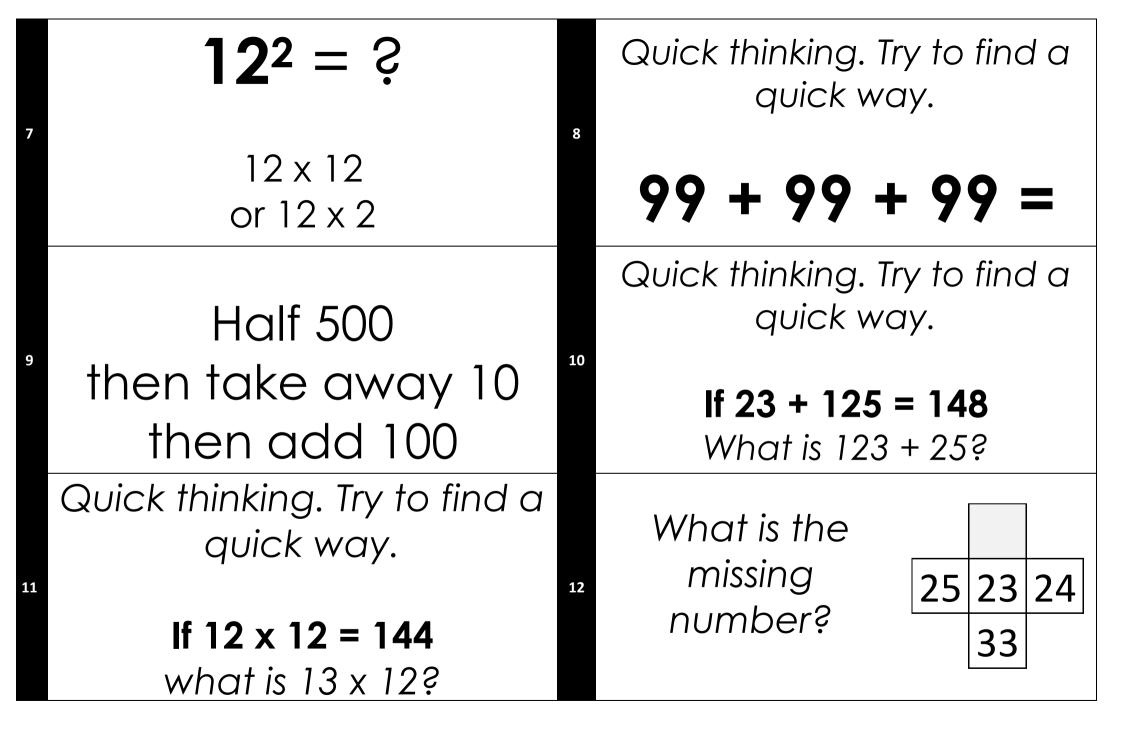
If 20 x 6 = 120 what is
$$120 \div 6$$
?

 $4_3 = 5$

What number is shown by the arrow on the number line



Add 100 to 398



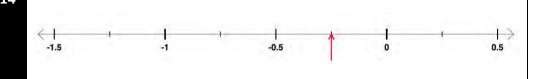
Find the value of the missing angle

50°

I am more than half My denominator is even I am not equal to ¾ Who am I?

A	В	C
2/3	3/4	2/4
D	E	F
4/8	7/12	6/8

Double 1000 + half of 120 = What number is shown by the arrow on the number line



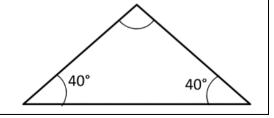
What has the same value as:

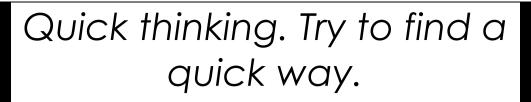
50%?

 $\frac{1}{2}$ and 0.5 OR

 $\frac{1}{5}$ and 50

Find the value of the missing angle

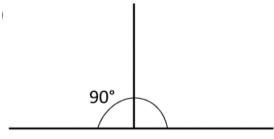




If 23 + 25 = 48

What is 230 + 250?

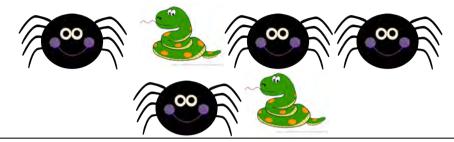
Find the value of the missing angle



20

Fill in the blanks:

What is the ratio of spiders to snakes?

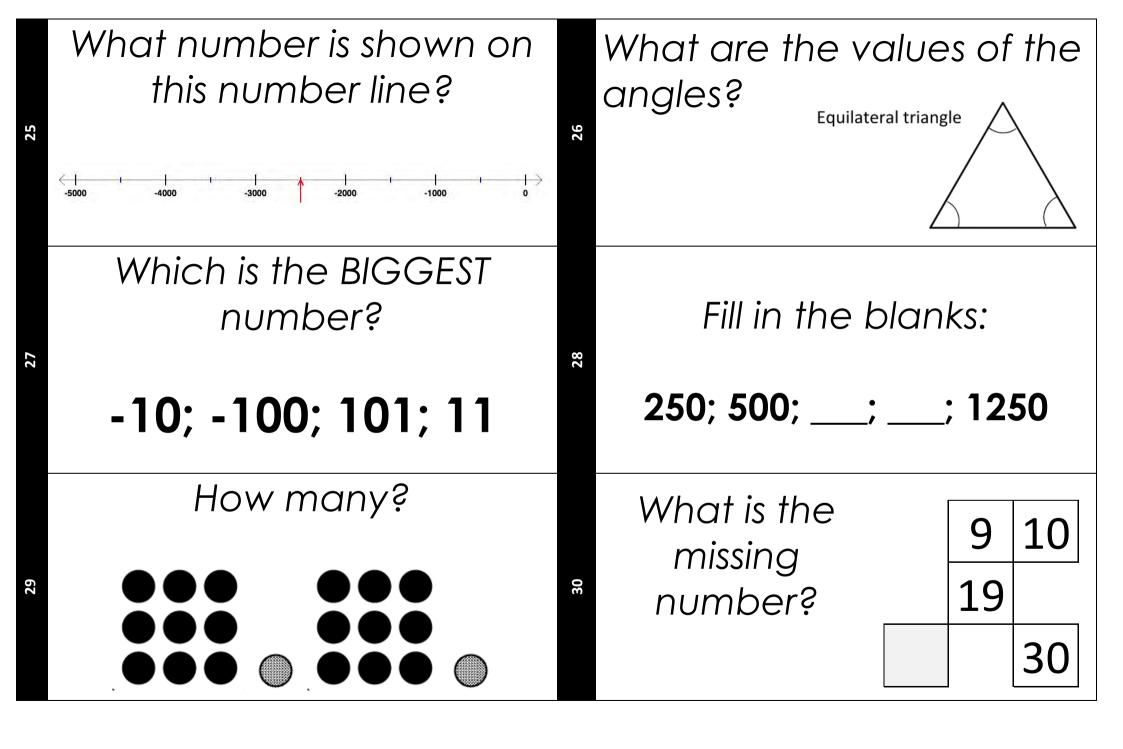


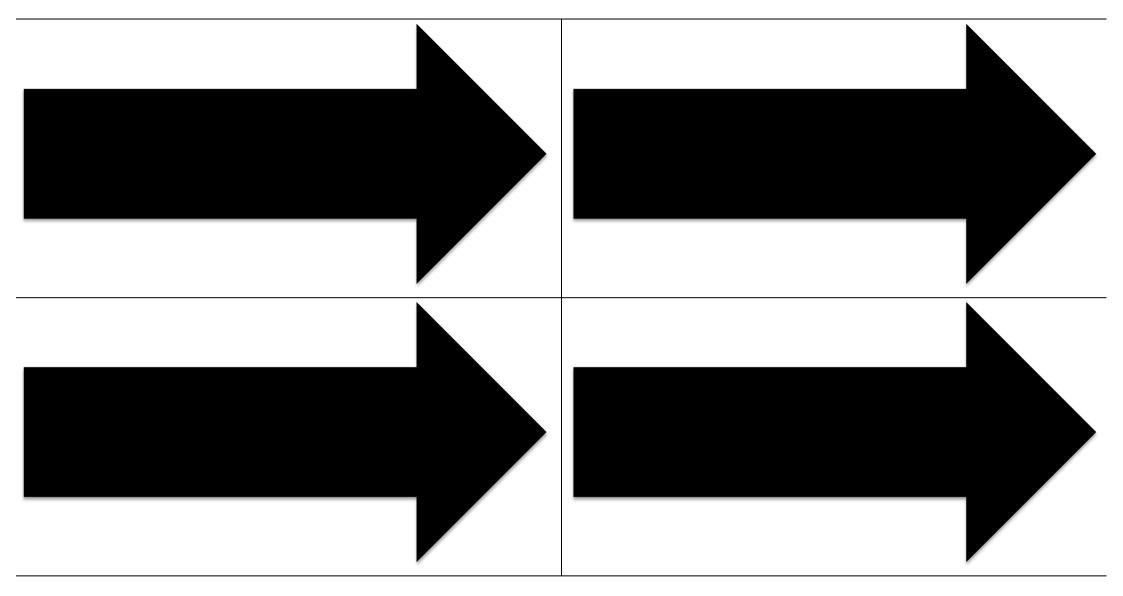
Add these numbers together:

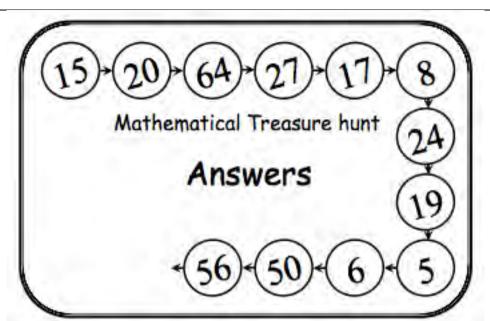
16; 4; 6; 14; 5; 5; 2; 18; 1

Which is the SMALLEST number?

-20; 35; -15; 50

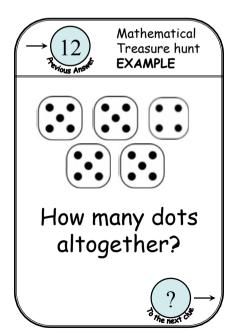


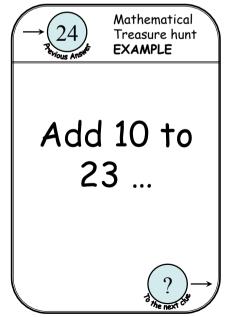


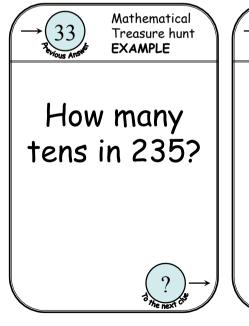


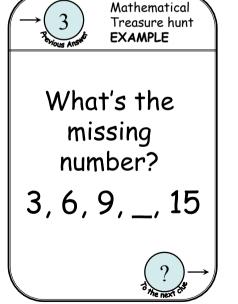
If you wish to change the questions in the game, you can edit the original document which is available for download from the Treasure Hunt link on the SANC Proejct website at: http://www.ru.ac.za/sanc/mathsclubs/clubresources/games/

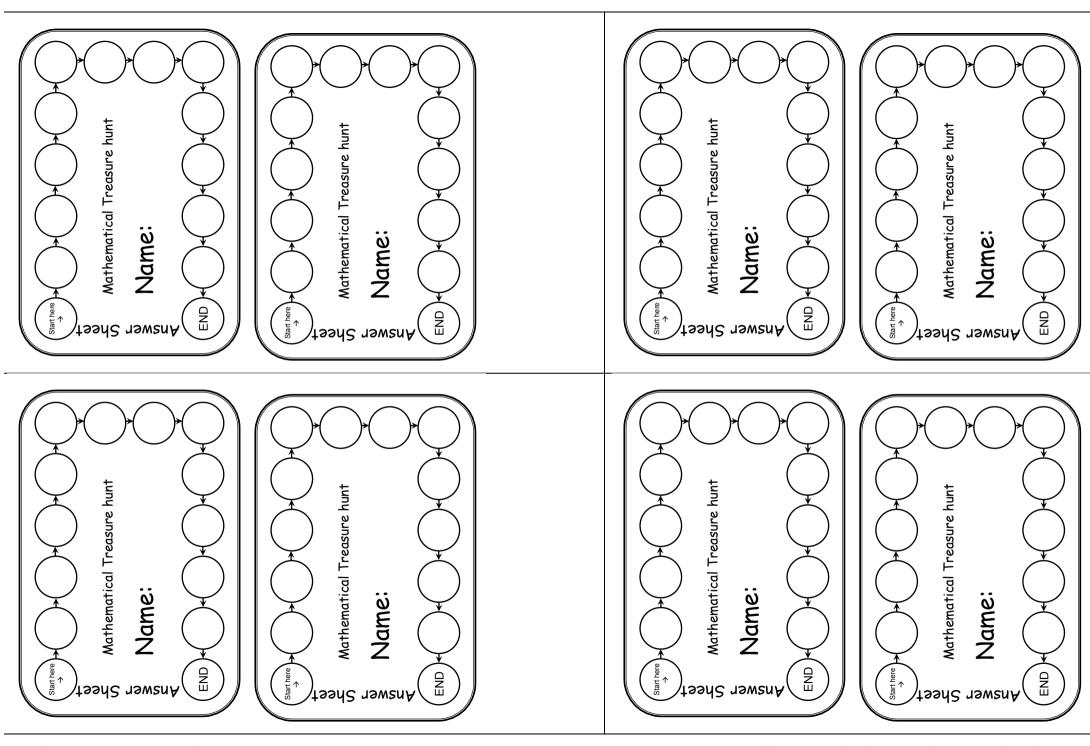
EXAMPLE CARDS TO EXPLAIN THE GAME TO LEARNERS BEFORE IT STARTS



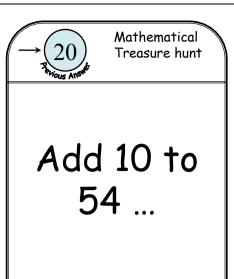


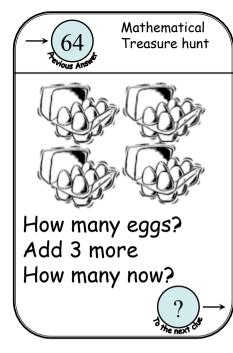


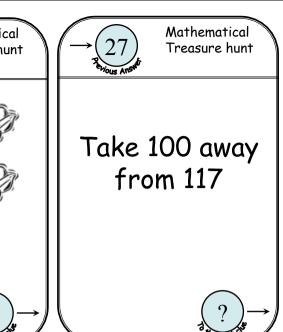






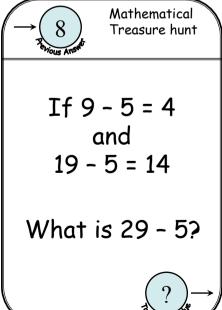




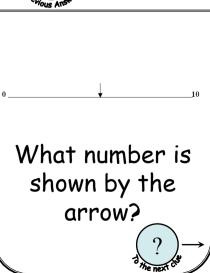




How many now?







Mathematical

Treasure hunt



I have 14 How many more to make 20?



Double 21 plus 8 is ...?



