

Fun mathematics activities for Foundation Phase



Cut out the cards. Cut along each black line.

Create a chain of 8 pieces for each

number, just like the chain shown above. Start with numbers I - 5 and then use all the numbers. Sika lamakhasi. Yakha umtyathanga wamaqhekeza asi-8 nje ngalo uboniswa ngezantsi.

Qala ngamanani u-l ukuya ku-5 uze ulandelise ngokusebenzisa onke amanani.





Stick the cutouts onto a piece of cardboard for extra durability, and so that the pictures cannot be seen through the paper. You could use the cardboard from a cereal box, or similar, for this. Ncamathisela lamakhasi kwiphepha eliqinileyo okanye ikhadibhodi ukwenzela ukomeleza ikhasi, kwaye ingabonakali imifanekiso xa ikhasi lijonge phantsi. Ungasebenzisa ibhokisi yepapa yakusasa okanye iphepha eliyeleleneyo nayo.



These cut-outs are for use with the activity on the first Counting Fun page. Use them as alternatives to the isiXhosa number names.





Sonwaba Ngokubala

Imisebenzi eyonwabisayo yabafundi bamabanga uR - 3



Bala ukuba zingaphi kwiqela ngalinye. Count how many there are in each group.

Ngawaphi anaqela onokuwadibanisa uzokwenza ishumi? Bhala isivakalisi salamanani. Which groups can you add together to make 10?

Write the number sentences down.

Ngawaphi anaqela onokuwadibanisa uzokwenza ama20. Bhala isivakalisi salamanani.

Which groups can you add together to make 20? Write the number sentences down.



Bala ii-starfish kwibhokisi nganye, uze ubiyele inani elichanekileyo. Bhala elinani kulebhokisi engenanto.

Count the starfish in each block. Circle the correct number, write the number in the empty block.

* * * *	8	9	
	6	7	
	8	6	
	7	9	
***	9	10	
*	8	7	
*	6	10	
	7	8	

Bhala inani elichanekileyo kulebhokisi ingenanto. Write the correct number in the empty block.

	<u>Nciphisa</u> ngol less	
& & & & & &	<u>Nciphisa</u> ngo3 3 less	
* * * *	<u>Yongeza</u> ngo2 2 more	
گر گرد گرد گرد گرد گرد	<u>Nciphisa</u> ngo5 5 less	



The work of the South African 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 Trust.



Memory Game Umdlalo wokukhumbula

Cut out the cards.

Place all the cards face down on a table, shuffle them around. Arrange them in five rows.

Each player takes a turn to turn over any two cards. If the cards have the same number on them the player can keep them (e.g. the number 3 and 3 butterflies; or 3 dots and 3 flowers). If they do not match, then the cards are returned to the table, face down.

Children should try to remember where each card is placed so that they can start to collect matching cards. The winner is the person with the most cards once all the cards have been taken.

Start by playing the game with only the dot and number symbol cards. Once your child is confident with those, add in the picture cards.

Stick the cards onto a piece of cardboard for extra durability, and so that the pictures cannot be seen through the paper. You could use the cardboard from a cereal box, or similar, for this.



Sika lamakhasi.

Beka amakhasi ajonge phantsi uze uwaxube ngoku esajonge phantsi. Wabeke ngokwemigca emihlanu. Umdlali ngamnye uthatha ithuba lakhe aguqule amakhasi abemabini. Ukuba amakhasi akhe anenani elilinganayo, umdlali uyawagcina amakhasi (umzekelo, inani u-3 kunye namabhabhathane ama-3; okanye amachokoza ama-3 kunye neentyatyambo ezi-3). Ukuba awafani, amakhasi abuyiselwa etafileni ejonge phantsi. Abantwana funeka bazame ukukhumbula ukuba andawoni lamakhasi ukuze bakwazi ukuqokelela afanayo. Akuthi akuphela amakhasi etafileni, lowo uphethe amakhasi amaninzi iyakuba nguye ogqwesileyo. Qala ngokuthi udlale lomdlalo ngamakhasi anamachokoza kunye naneempawu kuphela.

Xa umntwana ebonakala engathi uyakwazi ngala amakhasi, yongeza amakhasi anemifanekiso. Ncamathisela lamakhasi kwiphepha eliqinileyo okanye ikhadibhodi ukwenzela ukomeleza ikhasi, kwaye ingabonakali imifanekiso xa ikhasi lijonge phantsi. Ungasebenzisa ibhokisi yepapa yakusasa okanye iphepha eliyeleleneyo nayo.

		$\bullet \bullet \bullet \bullet$ $\bullet \bullet \bullet$	$\begin{array}{cccc}\bullet & \bullet & \bullet \\ \bullet & \bullet & \bullet \\ \bullet & \bullet & \bullet \end{array}$	
9	2	8	σ	0
	2	C	4	Ŋ



Thiya inkawu nganye.

Give each monkey a name.

Amagama ezinkawu nguSino, Sam kunye noSiya. These monkeys are Sino, Sam and Siya.

Sebenzisa lemikhondo ukuqonda igama lenkawu nganye. Bhala igama lenkawu naphantsi komfanekiso wayo.

Use these clues to work out which name goes with each face. Write the correct name under each monkey.

Imikhondo Clues USino noSiya bawavulile amehlo abo. Sino and Siya have their eyes open. USiya noSam baphethe iibhokisi ezinribhoni

emfusa (pepuli). Siya and Sam have purple ribbons on their qifts.

USino akanazo iinwele. Sino has no hair.

USam akanawo amashiya.

Sam has no eyebrows.

Khangela amanani amabini awenza i-20 xa edibene. Funeka lamanani athi nca apha kwi-grid, elinye ecaleni/nqaphantsi/nqaphezulu kwelinye. Find 2 numbers that add to 20. The numbers must touch. 5 q 3 15 10

2	6	4	13	7	10	10	(4)
18	8	12	5	6	0	20	16
0	20	3	17	ΙĻ	19	2	8
2	4	16	10		6	I4	9
5	15	II	9	12	8	19	I
13		3	10	10	I	8	3
7	19	2	8	4	5	2	17





Sonwaba Ngokubala

Imisebenzi eyonwabisayo yabafundi bamabanqa uR - 3



Imikhondo

Onke lamanani abanombombiya akhona xa ubala ngono-3. Inani lika Zeb alisongumnqakathi. Inani likaRex likhulu kune-10. Inani likaJet lelona lincinane.

Khanqela amanani amabini awenza i-10 xa edibene. Funeka lamanani athi nca apha kwi-qrid, elinye ecaleni/ngaphantsi/n gaphezulu kwelinye.

Find 2 numbers that add to 10. The numbers must touch.

Ngoobani amagama abanombombiya? What are the penquins' names?



Clues

All the penguins' numbers are in the 3 times table Zeb's number is even. Rex's number is bigger than 10. Jet's number is the smallest.

	0		7	5	q	5	5
2	3	8	3	З	-	4	6
	7	12	8	2	5	3	7
I	0	7		0	5	2	8
9	10	З	10	6	З	3	6
2	13	6	3	8	4	7	9
6	7	12	10		2		8
2	4	4	II		9	3	7





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Research Foundation. Additional funding for club work and

resources is provided by the Vestas Empowerment Trust.





Lamanani asezindlebeni zalempuku enza elinani liyibambileyo.

The numbers on each mouse's ears add up to the number the mouse is holding.

Fakela lamanani angekhoyo. Fill in the missing numbers.



Cross out the calculations with answers less than 10. Circle the calculations with answers more than 10.



Colour in the flower that gives the answer to each calculation. Which flower is left over? ** R 4 * # ₩, 2 3 5 6 8 q 13 I/ 15 16 17 18 19 10 20 Use the colour in each bo 5 + 37 - 62 + 56+8 for each flower. 1+8 10 + 218 – 1 19-1 4+1 20 - 722 - 48+8 13 – 11 8-6 3 + 09+11 15 - 44 + 29 + 10



Create one number sentence for each flower. Leave out one flower. The answer to the number sentence should give you the number of the flower. Give your number sentences to a friend and let them colour the flowers from the number sentences in. Can your friend tell you what flower you left out?

Sika eziphazili ngokuthi usike kulemigca icacileyo. Cela umntana wakho azidibanise. Cut out the puzzle by cutting along the bold lines. Ask your child to build it.

★

GAME B

	2	3	4	5	6	7	8	9	10
	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

-	2	3	4	5	6	7	8	9	10
=	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Catching stars

Bamba iinkwenkwezi

These two superhero cats are flying around catching stars. Ezikati zimbini zingamaqhawe ziyajikeleza zibhabha zibamba iinkwenkwezi.

How many stars can you catch?

Zingaphi iinkwenkwezi ongakwazi ukuzibamba wena? You will need TWO dice.

Uzakusebenzisa amadayisi amabini.

Take it in turns to throw the dice and add the numbers.

Nikanani amathuba, niphose amadayisi nize nidibanise amanani.

If you can find a star with that number, cross it out.

Ukuba ufumene inkwenkwezi ngelonani, likrwele ngomgca. At the end of the game, the person who crossed out the most stars is the winner.

Ekupheleni komdlalo, oyena mntu okrwele iinkwenkwezi ezininzi nguye ophumeleleyo.



		-				GAME
		2	3	4	5	6
		2	3	4	5	6
		2	3	4	5	6

You will need dice, but you can cut out the strip of numbers I — 6 on this page to use instead of dice. Uzakudinga idayisi, kodwa unako ukusika umcwe wamanani I — 6 apha kweliphepha ukuba akunalo idayisi.

Cut these numbers out and fold them. Sika lamanani uze uwaqobe.

Pick a number for each turn instead of using dice. Khetha inani qho ngexesha lakho endaweni yokuphosa idayisi.

The bees race home.

Iinyosi zigoduka ngomdyarho.

The bees are on their way home. They decide to race. Who will get there first?

Iinyosi zisendleleni egodukayo. Zagqiba ekubeni zikhuphisane ngomdyarho. Ngeyiphi ezokufika kuqala?



Cut out the colour strips at the bottom of this page.

Sika imicwe yamaphepha emibalabala ngezantsi kweliphepha.

One person must have all the red squares and the other person must have all the green squares.

Umntu omnye makathathe izikwere ezibomvu, ze omnye athathe eziluhlaza.

Instructions

<u>Imiyalelo</u>

I. Choose a sum in the first column.

- Khetha isibalo kumqolo wokuqala.
- 2. Work it out in your head and say the calculation and the answer. Sibale ngentloko, utsho indlela oyibale ngayo uze uxele impendulo yakho.
- 3. If you get it right you can, put a square on the calculation. Ukuba uyichanile, beka isikwere sakho kwisibalo.

- 4. Your friend can use the number strip to check your answer.
 - Umhlobo wako angasebenzisa umncwe wamanani ukuze akhangele impendulo.
- 5. Take it in turns to do this.
 - Yiphanani amathuba ukwenza nje.
- 6. You can only choose sums that are touching the one you are on. Ungakhetha izibalo ezithe nca kule ukuyo kuphela.
- 7. You can't choose a sum that the other player has already got. Awukwazi ukukhetha isibalo esisetyenziswa ngomnye umdlali.
- 8. The winner is the person to get to the other side first. Othe wafika kwelinye icala kuqala, nguye ophumeleleyo. This is an example of a winning path:

Nanku umzekelo obonisa indlela ephumeleleyo



Lamanani asezindlebeni zalenja enza elinani liyibambileyo. Fakela lamanani angekhoyo. The numbers on each dog's ears add up to the number the mouse is holding. Fill in the missing numbers.

17 5 9 16 13 18 19 19 19 19 20 $\langle 20 \rangle$ (12) 0 **17**) **|8** 15) $||\rangle$ 19 20 19 20 The work of the South African 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 Trust.



Paper counters for the bee game.

Bala ngesibini ubale inani lalamavili.

Count in 2s to count the number of wheels.

Count in 4s to count the number of wheels.



Bala ngesithathu ubale inani lalamavili. Count in 3s to count the number of lights.







Bala ngesihlanu ubale inani lalamavili.



4; 8; ___; ___; ___

Bala ngesine ubale inani lalamavili.

Count in 5s to count the number of animals.



Look carefully at the picture. Can you spot who is the odd one out? Qwalasela lomfanekiso. Ingaba uyambona na ongafaniyo nabanye?

How many animals are in the picture? Zingaphi izilwanyana kulomfanekiso?

Each animal has 2 eyes. Count in 2s to work out how many eyes they have altogether.

Isilwanyana ngasinye sinamehlo amabini. Bala ngezibini ukuze wazi kukuba mangaphi amehlo ewonke ephelele.

How many helicopters are in the picture? Zingaphi iintakamoya kulomfanekiso?

Each helicopter has 5 blades. 2 blades are on its roof, and 3 blades are on its tail. Count in 5s to work out how many helicopter blades there are altogether.

Intakamoya nganye inamaphiko amahlanu. Amaphiko amabini angaphezulu, ze amathathu abesemsileni. Bala ngezihlanu ukuze wazi ukuba mangaphi amaphiko ezintakamoya ewonke edibene.





Fun Mathematics Puzzles and Practice

Ш

What shape have you made?



S



In this grid, each animal stands for a number. The numbers shown are the totals of the row or column of three. Find the missing numbers and say what number each animal stands for.

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Add 2 numbers to get the one above.





Answer these questions and colour in the correct block in the grid.

6.07

Half of 24 9 more than 10 5 tens and 6 ones 40 + 6 10 more than 45 9 sets of 5 II more than I2 3 more than 25 3 tens plus 4 The number between 36 and 38 20 more than 44 20 less than 93 70 - 38 more than 70 8 tens and 3 ones 10 less than 99

start

Race to One Hundred

This game is for 2 — 4 players. To play:



All players roll the dice and the player with the highest number plays first.

On each turn, players throw two dice, multiply the numbers together and move that number of spaces. Follow the directions according to the colour of the square the player lands on. The first player to reach 100 is

the winner.

Go back to the	Oops! Go back
last blue square	5 spaces
Great! Go to the next green square	You get an extra turn!

This game requires dice. if you don't have dice, then cut out the numbers below and put them into a container. The players should take two slips of paper for each turn instead of rolling dice.

I	2	3	4	5	6	I	2	3	4	5	6
I	2	З	4	5	6		2	З	4	5	6

I	2	3	4	5	6	7	8	9	10
II	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	qq	100









Zingaphi iinqwelo kumbala ngamnye apha kulomfanekiso? How many vans of each colour are there in this picture?



Indlela nganye ineenqwelo ezintlanu. Zine iindlela. Bala ngezihlanu ukuze wazi ukuba zingaphi zonke ziphelele. Each lane has 5 vans. There are 4 lanes (rows). Count in 5s to work out how many there are altogether.

Inqwelo nganye inabantu abathathu abahamba ngayo. Bala ngezithathu ukuze wazi ukuba bangaphi abantu bebonke kulomfanekiso.

Each van has 3 people travelling in it. Count in 3s to work out how many people there are altogether in this picture.

Inqwelo nganye inamavili amane. Indlela nganye inamavili anga-20. Bala nga-20 ukuze wazi ukuba mangaphi lamavili ewonke ephelele kulomfanekiso.

Each van has 4 wheels. Each row has 20 wheels altogether. Count in 20s to work out how many wheels there are altogether for the vans in the picture.