# Yr 3 Learning pack 5 Maths and other curriculum areas Part 3

## Challenge 1. Making 53

How many different ways can you make 53? Challenge yourself by including a division. . You can not use more than 4 numbers per calculation.

1 point	Only addition /subtraction	20+33= 53 63-10=53
2 points	Multiplication / division	5 x10 + 3=53 (96÷4)+ 29=53
		6 x 9 -1 =53
		102÷3 + 19 = 53

I hope you	Challenge 2 TIME YOURSELF! How quickly can you write down each of your times tables . start with your easiest-this is a great opportunity for you to practice this. By the end of Yr 3 you should know your: X10, x5, x2, x4, x8, x3, x6 There is a pattern in some multiplication tables because if you know your 10's you can halve them to find your 5's If you know your x2 tables you can double the answers to find your x 4 and then double again to find
are enjoying	your x8
your tables	Finally, if you know your x3 tables you can double your answers to find you x 6
and	The purple mash website is very useful to help you practice this.
beginning to	Use hit the button and see if you can improve your score each time.
recall them	https://www.topmarks.co.uk/maths-games/hit-the-button - I hope you are able to access this
	website because it is a lot of fun to use.
4x tables	http://www.mental-arithmetic.co.uk/Times-Tables.htm use this website to find other practice sheets
8 x tables	

## 4 times table

#### Exercise 1:

Name:

Color in all of the boxes that are the solutions of this time table.

36	37	8	20	34
11	4	24	22	16
23	2	44	6	40
3	36	20	48	12
24	19	32	28	44

#### Exercise 2:

Complete the circle by multiplying the number in the center by the middle ring to get the outer numbers.



#### Exercise 3:

Fill in the correct product.



b) 3 x 4 =\_\_\_\_ c) 10 x 4 =\_\_\_\_ e) 4 x 4 =\_\_\_\_ f) 6 x 4 =\_\_\_\_

80 ÷ 8 =(1)	64 ÷ 8 =(11)	72 ÷ 8 =(21)
40 ÷ 8 =(2)	48 ÷ 8 =(12)	32 ÷ 8 =(22)
16 ÷ 8 =(3)	24 ÷ 8 =(13)	56 ÷ 8 =(23)
8 ÷ 8 =(4)	80 ÷ 8 =(14)	24 ÷ 8 =(24)
40 ÷ 8 =(5)	48 ÷ 8 =(15)	72 ÷ 8 = (25)
16 ÷ 8 =(6)	8 ÷ 8 =(16)	56 ÷ 8 =(26)
64 ÷ 8 =(7)	16 ÷ 8 =(17)	32 ÷ 8 =(27)
24 ÷ 8 =(8)	64 ÷ 8 =(18)	48 ÷ 8 =(28)
40 ÷ 8 =(9)	56 ÷ 8 =(19)	8 ÷ 8 =(29)
72 ÷ 8 =(10)	80 ÷ 8 =(20)	48 ÷ 8 =(30)

Multip	olying	with 4							Surfer
7x4	4x8	4x7	8x4	7x4	10x4	4x3	9x4	9x4	4x9
4x8	4x7	7x4	9x4	4x9	4x6	4x5	4x6	9x4	4x9
4x7	7x4	4x9	4x10	4x9	4x10	6x4	9x4	10x4	10x4
4x8	4x9	10x4	4x9	10x4	3x4	4x4	3x4	4x10	10x4
8x4	9x4	4x9	4x9	10x4	4x6	4x10	6x4	4x10	4x9
8x4	4x9	4x10	4x9	3x4	4x3	3x4	4x4		4x10
4x7	10x4	10x4	4x10	10x4	9x4	4x10	4x1		10x4
8x4	8x4	4x10	<b>1</b> 0x4	9x4	4x10	4x9	4x10	4x1	
7x4	8x4	8x4	9x4	9x4	4x10	10x4	10x4		1x4
4x7	4x8	7x4	7x4	4x7	9x4	4x9	10x4	1x4	9x4

Key:

4 or 8	Dark Blue	
12 or 16	Brown	
20 or 24	Tan	
28 or 32	Yellow	
36 or 40	Blue	*Blank squares are white



## **5** Second Answers

- 1. Put a ring round the smallest odd number 163, 258, 137, 208. (137)
- 2. What is the number shown by the arrow on the number line \_
- 100 (20) **0** † 3. Round 256 to the nearest 100. (300)
- 4. If I am facing West and turn anti-clockwise through one right angle in what direction am I facing? (South) 5. What is 400 subtract 4? (396)
- 6. Divide 30 by 5. (6)
- 7. What is 800 divided by 100?(8)
- 8. You have 50 litres of water. How many 10 litre buckets can you fill? (5)
- 9. How much do you expect a teapot to hold? Circle the appropriate amount. (1 litre) 10. David is 1 metre and 15 centimetres tall. What is his
- height in centimetres? (115cm)

## 10 Second Answers

11.A teaspoon holds 5ml of medicine. How many millilitres did John take yesterday if he took 2 spoonfuls after his breakfast, lunch and tea? ((30ml) 12.Look at the dial on your sheet. How many right angles does the switch turn through if you turn it clockwise on to HIGH? (3) 13.What 3 coins will make 90p? (50p,20p,20p) 14.Look at the shape on your sheet. What fraction of the

shape is shaded? (three fifths, 3/5) 15.Look at the grid on your sheet. Name the square which is shaded. (D3)

×	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
0	10	20	30	40	50	60	70	80	90	100	110	120
1	11	22	33	44	55	66	77	88	99	110	121	132
2	12	24	36	48	60	72	84	96	108	120	132	144

Draw a multiplication square of your own and shade in all the multiples of four using a light coloured crayon. Then shade in all the multiples of 8 using a different colour. What do you notice about the pattern?



Dora is incorrect. She has a misconception that you can only double to find equivalent fractions.

This is the odd one out because the other fractions are all equivalent to  $\frac{1}{2}$ 

yellow.





Always, sometimes, never.	Dora has shaded a fraction.
If a fraction is equivalent to one	She says,
half, the denominator is double the numerator. Prove it.	I am thinking of an equivalent fraction to the shaded fraction where the numerator is 9
Can you find any relationships between the numerator and denominator for other equivalent fractions?	Is this possible? Explain why.











<u>Challenge</u> <u>7</u>	Tip: Put a tick by the ones you know you can do quickly, a question mark by the ones you can do with some thought or written calculation and a x by the ones you think are really difficult for you.						
of these	Win it bin it save it for	laterl		Number 5			
mental maths questions can you do in	1) Circle the highest value 48 40 7 84 144	2) 340 - 50 =	<ul> <li>3) Write the number that totals</li> <li>3 tens 7 ones</li> <li>12 tens 3 ones</li> <li>0 tens 5 ones</li> </ul>	495 + = 895			
	5) What is half of 28?	6) 248 + 700 =	7) Put a circle around the lowest value. five hundred and sixty three hundred and sixty nine five hundred and fifty nine.	8) What is 39 + 46?			
	9) Circle the fraction that is shaded. Think about equivalent fractions. $\frac{6}{8} \frac{6}{14} \frac{6}{100} \frac{1}{2}$	10) $\frac{5}{10} + \frac{2}{10} = -$	<ul> <li>11) Fill in the boxes to complete the number pattern.</li> <li>16 24 40 56 64</li> </ul>	<ul> <li>12) Circle the number with the highest value.</li> <li>nine hundred</li> <li>902</li> <li>90</li> </ul>			
	13) Subtract 80 from 230	14) 48 ÷ 8 =	15) 327 <u>+ 358</u>	16) Is this statement true? Explain. There are exactly 3 ones in 313			
	17) What is the sum of 8, 7 and 23?	18) Divide 32 by 8.	19) 205 + 68=	20) Circle the numbers that have exactly 6 tens . 76 663 86 69			
	21) 69 - 19	22) 54÷6	23) 98 - 10 is	24) Add 100 to 506			
	25) 493 add 10 is	26) 632 <u>- 167</u>	<ul> <li>27) Tick 2 sums</li> <li>that equal 200</li> <li>185 + 15</li> <li>124+ 77</li> <li>38 + 162</li> <li>47 + 163</li> </ul>	28) 136 ÷ 8 =			
	29) 8 x 35	30) 259 - 139 =	31) How many times does 4 divide into 45?	32) 8x 86 =			
			venat is the remainder?				

Answers	Win it bin it save it for later! Answers         Number						
How well did you do in 30 mins?	1) Circle the highest value 48 40 7 84 144	2) 340 - 50 = <mark>290</mark>	<ul> <li>3) Write the number that totals</li> <li>3 tens 7 ones 37</li> <li>12 tens 3 ones 123</li> <li>0 tens 5 ones 5</li> </ul>	495 + <mark>400</mark> = 895			
	5) What is half of 28? 14	6) 248 + 700 = <mark>948</mark>	7) Put a circle around the lowest value. five hundred and sixty three hundred and sixty nine five hundred and fifty nine.	8) What is 39 + 46? 85			
	9) Circle the fraction that is shaded. Think about equivalent fractions. $\frac{6}{8} \frac{6}{14} \frac{6}{100} \frac{1}{2}$	10) $\frac{5}{10} + \frac{2}{10} = \frac{7}{10}$	<ul> <li>11) Fill in the boxes to complete the number pattern.</li> <li>16 24 32 40</li> <li>56 64 72</li> </ul>	<ul> <li>12) Circle the number with the highest value. nine hundred</li> <li>902 nine hundred and three</li> </ul>			
	13) Subtract 80 from 230 150	14) 48 ÷ 8 = 6	15) 327 <u>+ 358</u> <u>685</u>	16) Is this statement true? Explain. There are exactly 3 ones in 313 True			
	17) What is the sum of 8, 7 and 23? 38	18) Divide 32 by 8. 4	19) 205 + 68= 273	20) Circle the numbers that have exactly 6 tens . 76 663 86 69			
	21) 69 - 19 = 50	22) 54 ÷ 6 = 9	23) 98 - 10 is 88	24) Add 100 to 506 606			
	25) 493 add 10 is 503	26) 632 <u>- 167</u> <u>465</u>	27) Tick 2 sums that equal 200 185 + 15 124+ 77 38 + 162 47 + 163	28) 136 ÷ 8 =17			
	29) 8 × 35 35 <u>X 8</u> _40(8×5) + <u>240(</u> 8 × 30)	30) 259 - 139 = <mark>120</mark>	<ul> <li>31) How many times does 4 divide into</li> <li>45? 11</li> <li>What is the remainder? 1</li> </ul>	32) 8x 86 = 688			
	280						

	Art: https://www.youtube.com/watch?v=vZrQz8zrsZo use this link to draw a leopard.
	Next, using the chapter 7 ' Party manners'' use the illustration to draw the yard where the two leopards met.
	Find out about country houses – the type where Mrs Fawkham Green lived. Use this link to find out what you can about Attingham houe and park <u>https://www.britainexpress.com/counties/shropshire/houses/index.htm</u>
	MUSIC - use this link on you tube <u>https://www.youtube.com/watch?v=zNpZD6a-fCw</u> Bringing Us Together
Music In this pack I would like you to take the opportunity to learn this song	Review 1. Listen and Appraise Bring us together (start to recognise the style indicators of Disco music)         https://www.bing.com/videos/search?q=Lyrics+to+Good+times+by+nile+Rodgers+you+tube&docid=         608033696591448369∣=77407D187C26D5B2924677407D187C26D5B29246&view=detail&FORM         =VIRE       - link to Good Times by Nile Rodgers
Verse 1	I will be your rainbow, I will be your friend. When dark clouds surround you On me you can depend.
Bridge	Each and everybody Has music deep inside. Find your inner music And you will come alive.
Chorus	Music makes us feel good, Music makes us dance! Bringing us together, Giving love a chance!
Verse 2	

	Let's create a universe	
	Where we can all be friends,	
Verse 3	Peace and hope and unity	
	Where friendship never ends	
Final chorus		
	Children from around the world	
	Changing hearts and minds,	
	Make the world a better place	
	To live as human kind.	
	Music makes us feel good,	
	Music makes us dance!	
	Bringing us together.	
	Giving love a chance!	
	Music makes us feel good	
	Music makes us dancel	
	Bringing us together	
	Civing love g changel	
	Giving tove d chânce!	
	Now start learning the words to Good time you would perform it.	<u>ies . Imagine you are at one of the concerts and think how</u>
	LYRICS:	
	These are the good times	
	Leave your cares behind	
	These are the good times	
	Good times These are the good times	
	Our new state of mind	
	These are the good times	
	Happy days are here again	
	The time is right	
	For makin' friends	
	How 'bout a guarter to ten	
	Come tomorrow	
	Let's all do it again	
	Boys will be boys	
	Better let them have their toys	
	Girls will be girls	
	Must put an end	
	To this stress and strife	

		https://www.bbc.co.uk/newsround/news/Wa
		question – 'Is netherite better than diamonds?' Check in on CBBC Newsround
NEWS	Minecraft: New Nether update - Is Netherite better than diamonds? <sup>0</sup> 24 Jun 2020 Lost updated at 16:25	Find out what you can about the new Nether update and discuss with your family the
	IN THE NEWS.	
	These are the good times	
	Our new state of mind	
	These are the good times	
	Good times	
	Leave your cares bening These are the good times	
	These are the good times	
	Good times	
	Roller-skates	
	And roller-skates	
	Clams on the half shell	
	Participate	
	Don't be a drag	
	We won't settle for less	
	A little jive and jitterbug	
	Let's cut a rug	
	You can't change your fate	
	You silly fool	
	Why hesitate	
	The clock keeps turning	
	Just can't wait	
	Time marches on	
	A rumor has it that	
	These are the good times	
	Our new state of mind	
	These are the good times	
	Good times	
	These are the good times	
	Leave your cares behind	
	Good times	
	I think I want to live the sporting life	



	UNITED STATES
	<ul> <li><u>PE</u> Continue with the below. Make a diary of what you have achieved each day.</li> <li>make sure you are staying fit and healthy, if you cant go out you can still exercise, try these:</li> <li>practice step exercises use the bottom and next step up and walk up and down then as many times as you can in 5 minutes, do this many times a day.</li> <li>Use 2 cans or beans or soup and practice some crunches to keep your arm muscles strong.</li> <li>Put on your favourite song and dance around the house.</li> <li>Help out with the house work, you can burn lots of calories off this way!</li> <li>Follow Joe Wicks each day at 9am .</li> </ul>
	While doing work from your learning pack take some 'brain breaks' Keep a balloon up for a minute March on the spot or around the house Bear crawl or crab walk around the room.
	In the next learning pack I will give you some outdoor brain break suggestions.
	You might like to try this Go noodle https://family.gonoodle.com/activities/young-dylan-dance-along
	This last two weeks my grndaughter and I have been practicing very hard to blow bubbles that she has now succeeded at. We have also been pouring water down a chute moving a bottle top all the way down as well as trying to get up the slide istead of down.
Science	Use this hyperlink to find out how are fossils made?
COLORGOO	The following video shows fossil hunting: <u>http://www.bbc.co.uk/learningzone/clips/hunting-</u> <u>for-fossils/12963.html</u>
	To make your own fossils, you should first make a mould by pressing a shell (cockles work well) into Plasticene. Then place 3 teaspoons of Plaster of Paris into a plastic cup, add around 20 ml of water and stir. You want a mixture like thick ketchup). Finally, scrape the mixture into the mould made from Plasticene and allow around an hour to harden. Remove the Plasticene to expose the 'fossil'.
	<b>Recording</b> The children could draw a flow diagram to show the stages of fossil formation.

