Year 3 Maths Week 5 Day 5

8x tables.

1. Practise your 8 x tables by writing these out in your home learning book and then move onto more practice and mastery questions below.

Look	Write	Cover	Write out of order
1 x 8 = 8			
2 x 8 = 16			
3 x 8 = 24			
4 x 8 = 32			
5 x 8 = 40			
6 x 8 = 48			
7 x 8 = 56			
8 x 8 = 64			
9 x 8 = 72			
10 x 8 = 80			
11 x 8 = 88			
12 x 8 = 96			

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Tick the numbers which appear in the 8 times table.

26	32	44	52
72	56	16	36
40	45	64	68

There are six in total.

Complete the four number sentences using the following three numbers. Each line needs to include each number.

6 8 48

____ x ____ = ______

____ x ____ = ______

____ ÷ ____ = ______

____ ÷ ____ = ______

2. Have a go at these questions

Use a >, <, or = symbol with the following pairs of calculations.

3 x 8	◯	28
4 x 8	◯	7 x 4
2 x 8	◯	8 + 8 + 8
8 x 6	◯	64 – 8
7 x 8	◯	96 ÷ 2
10 x 8	◯	5 x 16
11 x 8	◯	100 - 8

EXT: Challenge yourself with these statements.

3. Mastery questions are set out below to help you apply your knowledge of the 8 x tables. There are two challenges to choose from (Mild and Spicy/Hot). Write out the answers and any working out in your home learning book. There is a separate answer sheet to check your work once you have finished.

<u>Mild Mastery questions.</u>

A

Complete the sequence:

96 88 __ __ 64 __ __ 40 32 __ __ _

B

Four spiders went to the shoe shop. They needed a shoe for each of their eight feet. How many shoes did they buy altogether? Write your answer as a complete number sentence.

C

Zac decided to share sweets for his birthday with his eight best friends. He had 48 sweets in total. How many sweets did each friend receive?

D

S	C	M	D	E	F	G	T	N	V
I	X	T	L	D	O	L	W	E	M
X	I	H	P	Y	R	A	E	E	E
T	S	I	B	Z	T	R	N	T	I
Y	Y	R	B	A	Y	E	T	X	G
F	T	T	F	Y	E	I	Y	I	H
O	F	Y	O	L	I	G	F	S	T
U	I	T	R	G	G	H	O	C	Y
R	F	W	T	S	H	T	U	B	M
R	Y	O	Y	S	T	N	R	S	T

Find the answers in the puzzle:

1 x 8	8 x 3	8 x 5
10 x 8	8 x 8	6 x 8
2 x 8	8 x 4	7 x 8

Spicy/Hot mastery

Answer the questions below making sure you include written explanations using mathematical vocabulary. Do as many as you are able to.

1. What is the perimeter of a regular octagon where a side measures 7cm?

2) Fill in the gaps below:

	400	480			720

3) John buys 8 DVD's for £12 each. Write the calculation below before working out how much John spends on DVD's.

4) Fill in the gaps below:

8 x ______ = 32

32 ÷ ______ = 8

8 x ______ = 320

72 ÷ 8 = ______

8 x ______ = 3200

720 ÷ ______ = 8

5) Create a word problem that requires you to use the 8 x table.

6) Fill in the gaps below:

0.08	0.16			0.40	

7) David says "I know without even solving the calculation that 2408 divided by 8 will not have a remainder."
Is David correct? Explain your reasoning.

8) Ben says "I know my 8 times table so I can work out 40 x 80 without using a written method."

Explain why Ben can do this.