Summer term week 4 w/b 11th May 2020

(NB continual work to practise multiplication tables and learning to tell the time)

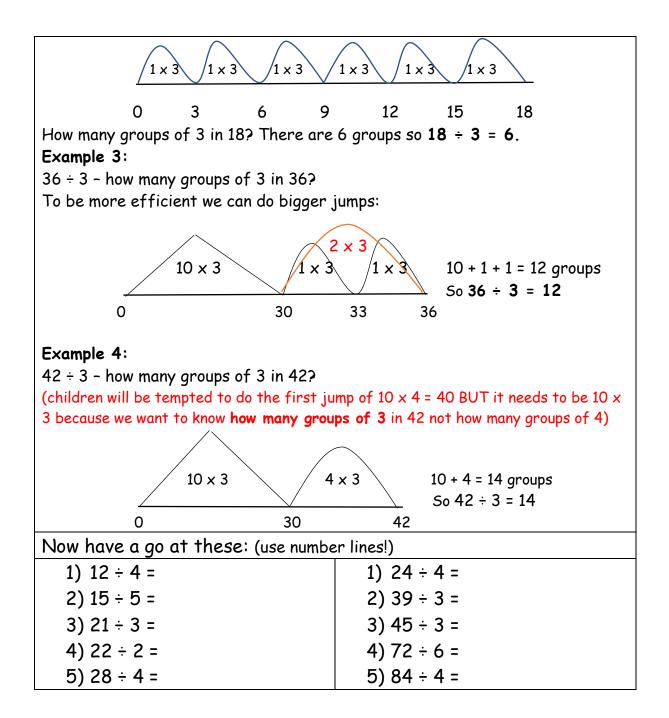
BBC Bitesize also have some good revision lessons to look at (these include lessons for English and the Stone Age).

All these strategies can be found on Brookside you tube channel.

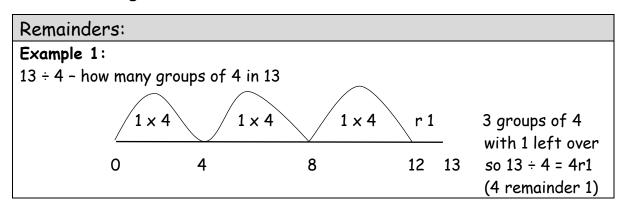
https://www.youtube.com/channel/UC-JJXZ7S29swCgB1WUVPR_A

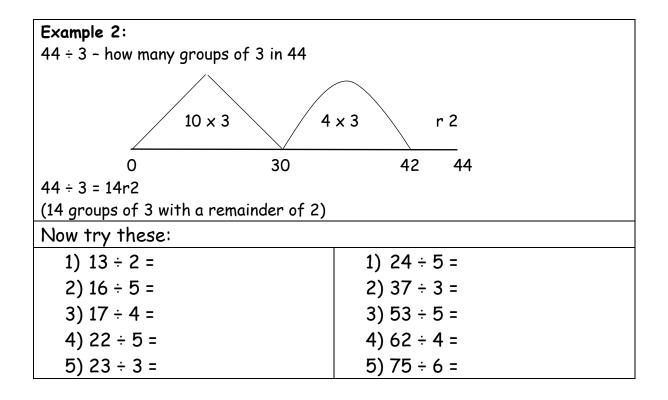
There are 2 types of division which children need to understand: sharing and grouping . They both give the same answer but have different methods (grouping links very closely to multiplication and sharing links to fractions). This week we will focus on grouping. Multiplication and repeated addition		
1. Multiplication: 5 × 4 = 20		
Sentence: 5 groups of 4 is the same as 20;		
Repeated addition: 4 + 4 + 4 + 4 + 4.		
Complete the multiplication; sentence of	nd repeated addition below.	
Now have a go at these:		
1)	1)	
Multiplication: 3 × 5 =	Multiplication: 4 × 8 =	
Sentence:	Sentence:	
Repeated addition:	Repeated addition:	
2)	2)	
Multiplication: 4 × 10 =	Multiplication:	
Sentence:	Sentence: 3 groups of 9 is the same	
Repeated addition:	۵۶	
3)	Repeated addition:	
Multiplication:	3)	
Sentence: 2 groups of 5 is the same	Multiplication:	
as	Sentence:	
Repeated addition:	Repeated addition: 7 + 7 + 7 + 7 =	
4)	4)	
Multiplication:	Multiplication: 6 × 6 =	
Sentence:	Sentence:	
Repeated addition: 3 + 3 + 3 + 3 =	Repeated addition:	
5)	5)	
Multiplication:	Multiplication:	
Sentence:	Sentence:	
Repeated addition: 5 + 5 + 5 =	Repeated addition: 4 + 4 + 4 + 4 + 4 =	

Lindenstending the invento		
Understanding the inverse 1. 5 × 4 = 20; 4 × 5 = 20; 20 ÷ 5	$5 - 4 = 20 \div 4 - 5$	
What do you notice about the numbers		
They are all the same just in a differen		
, , , , , , , , , , , , , , , , , , , ,		
Now have a go at these: (write the 3 missing calculations)		
1) 3 × 5 = 15	1) 6 × 8 = 48	
2) 4 × 3 = 12	2) 7 × 4 =	
3) 5 × 6 = 30	3) 30 ÷ 5 = 6	
4) 8 × 2 = 16	4) 24 ÷ 2 =	
5) 20 ÷ 2 = 10	5) 9 × = 27	
Known facts		
If you know 6 ÷ 2 = 3	If you know 40 ÷ 5 = 8	
Then you can work out $60 \div 2 = 30$	Then you can work out 400 ÷ 5 = 80	
and 600 ÷ 2 = 300.		
Can you see what is happening?	To work out:	
To work out:	600 ÷ 5 use 60 ÷ 5 = 12 so 600 ÷ 5 = 120	
900 ÷ 3 use 9 ÷ 3 = 3; 90 ÷ 3 = 30 so	600÷5=120	
900 ÷ 3 = 300.		
Now have a go at these:		
1) 60 ÷ 3 =	1) 200 ÷ 4 =	
2) 80 ÷ 4 =	2) 300 ÷ 5 =	
3) 90 ÷ 3 =	3) 600 ÷ 6 =	
4) 20 ÷ 2 =	4) 300 ÷ 6 =	
5) 600 ÷ 3 =	5) 800 ÷ 4 =	
Grouping: There are 2 Brookside TV videos		
To understand grouping we need to use multiplication!		
Example 1:		
6 ÷ 2 we are trying to find out how many groups of 2 are in 6.		
<u>/1 group of 2</u> /1 group of 2 /1 group of 2 so there are 3 groups of 2		
$0 \qquad 2 \qquad 4 \qquad 6 \text{in } 6 : 6 \div 2 = 3$		
Another way we write 1 group of 2 is 1×2 (see first activity above)		
Example 2:		
18 ÷ 3 – how many groups of 3 are in 18?		
$1 \times 3 = 1$ group of 3		



Extra Challenge:





Answers:

Multiplication and repeated addition:

1)	1)
Multiplication: 3 × 5 = 15	Multiplication: 4 × 8 = 32
Sentence: 3 groups of 5 is the same as 15.	Sentence: 4 groups of 8 is the same as 32.
Repeated addition: 5 + 5 + 5 = 15	Repeated addition: 8 + 8 + 8 + 8 = 32
2)	2)
Multiplication: 4 × 10 = 40	Multiplication: 3 x 9 = 27
Sentence: 4 groups of 10 is the same as 40.	Sentence: 3 groups of 9 is the same as
Repeated addition: 10 + 10 + 10 + 10	Repeated addition: 9 + 9 + 9 = 27
3)	3)
Multiplication: 2 x 5 = 10	Multiplication: 4 x 7 = 28
Sentence: 2 groups of 5 is the same as	Sentence: 4 groups of 7 is the same as 28.
Repeated addition: 5 + 5 = 10	Repeated addition: 7 + 7 + 7 + 7 = 28
4)	4)
Multiplication: 4 x 3 = 12	Multiplication: 6 × 6 = 36
Sentence: 4 groups of 3 is the same as 12.	Sentence: 6 groups of 6 is the same as 36.
Repeated addition: 3 + 3 + 3 + 3 = 12	Repeated addition: 6 + 6 + 6 + 6 + 6 + 6
5)	5)
Multiplication: 3 x 5 = 15	Multiplication: 5 x 4 = 20
Sentence: 3 groups of 5 is the same as 15.	Sentence: 5 groups of 4 is the same as 20.
Repeated addition: 5 + 5 + 5 = 15	Repeated addition: 4 + 4 + 4 + 4 + 4 = 20

Understanding the inverse:

1) 6 × 8 = 48
8 × 6 = 48
48 ÷ 6 = 8
48 ÷ 8 = 6
2) 7 × 4 = 28
4 × 7 = 28
28 ÷ 4 = 7
28 ÷ 7 = 4
3) 30 ÷ 5 = 6
30 ÷ 6 = 5
6 x 5 = 30
5 x 6 = 30
4) 24 ÷ 2 = 12
24 ÷ 12 = 2
12 × 2 = 24
2 × 12 = 24
5) 9 x 3 = 27
3 × 9 = 27
27 ÷ 3 = 9
27 ÷ 9 = 3

Known facts:

1) 60 ÷ 3 = 20	1) 200 ÷ 4 = 50
2) 80 ÷ 4 = 20	2) 300 ÷ 5 = 60
3) 90÷3 = 30	3) 600 ÷ 6 = 100
4) 20 ÷ 2 = 10	4) 300 ÷ 6 = 50
5) 600 ÷ 3 = 200	5) 800 ÷ 4 = 200

Grouping:

1) 12 ÷ 4 = 3	1) 24 ÷ 4 = 6
2) 15 ÷ 5 = 3	2) 39 ÷ 3 = 13
3) 21 ÷ 3 = 7	3) 45 ÷ 3 = 15
4) 22 ÷ 2 = 11	4) 72 ÷ 6 = 12
5) 28 ÷ 4 = 7	5) 84 ÷ 4 = 21

Extra challenge:

Remainders

1) 13 ÷ 2 = 6 r1	1) 24 ÷ 5 = 4 r4
2) 16 ÷ 5 = 3 r1	2) 37 ÷ 3 = 12 r1
3) 17 ÷ 4 = 4 r1	3) 53 ÷ 5 = 10 r3
4) 22 ÷ 5 = 4 r2	4) 62 ÷ 4 = 15 r2
5) 23 ÷ 3 = 7 r2	5) 75 ÷ 6 = 12 r3