Warm your brain up

Write out the following times tables

3s

6s

4s

8s

What do you notice?

What is division?

What do you know about division?

Learning Question:

LQ: How can I use the written method of division to divide 2 digit numbers ?

Success Criteria:

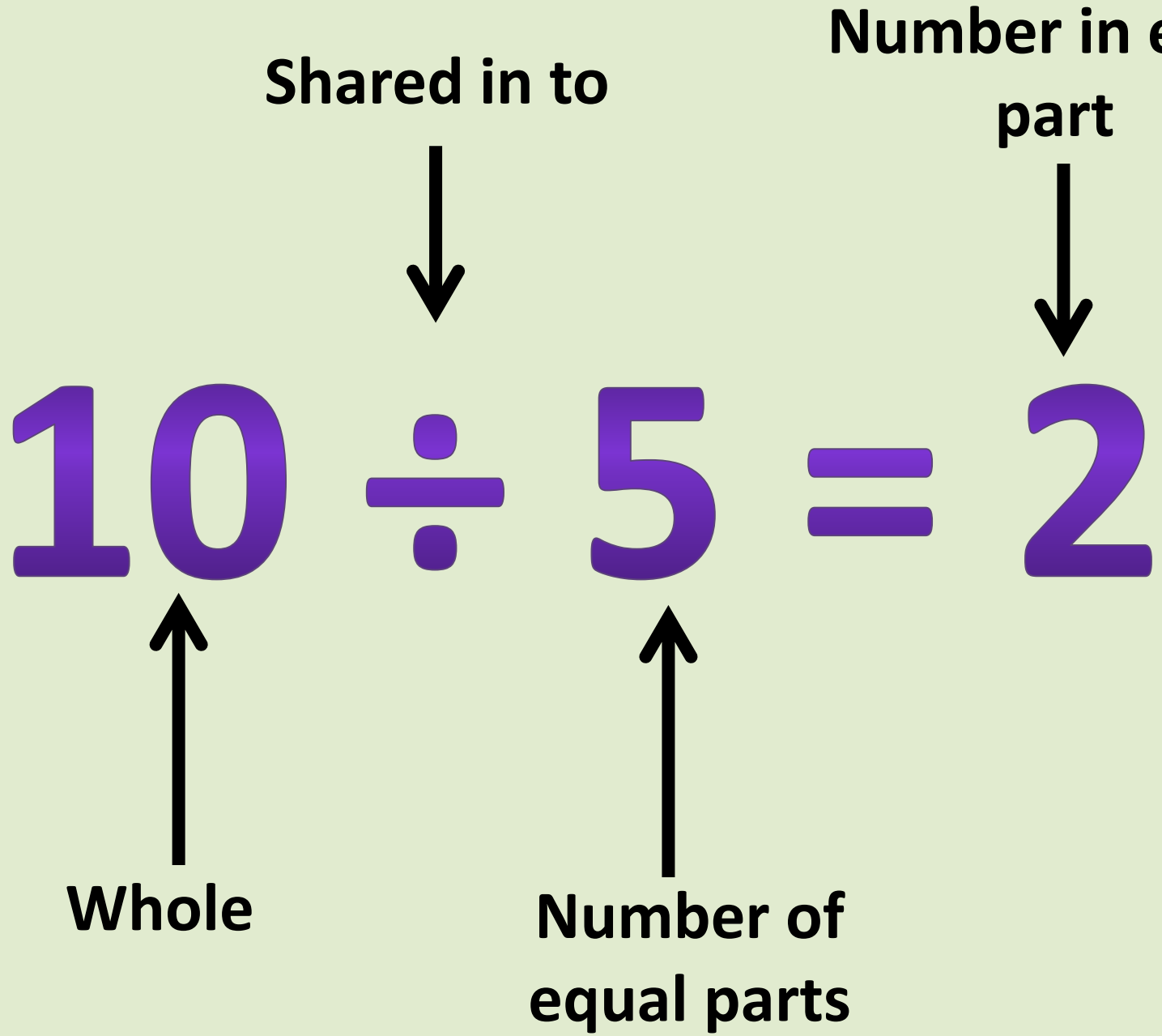
- Understand division as sharing a whole into a number of equal parts.
- Start calculation in the tens column
- Divide tens by divisor
- Regroup and remainder into ones column
- Divide ones by divisor
- Show a final answer

Vocabulary

Divide

Share

Equal


Shared in to
Number in each part
10 ÷ 5 = 2
Whole
Number of equal parts

Short division

4
8
12
16
20
24
28
32
36
40

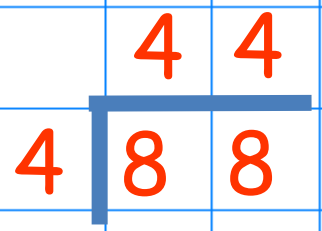
Step 1: How many times does **80 (8 tens)** divide into **4**

Step 2: Is anything remaining?

Step 3: How many times does **8 (8 ones)** divide into **4?**

Short division

4
8
12
16
20
24
28
32
36
40



Step 1: How many times does **80 (8 tens)** divide into **4**

Step 2: Is anything remaining? **No**

Step 3: How many times does **8 (8 ones)** divide into **4?**

3
6
9
12
15
18
21
24
27
30

		T	O					
		2	1					
	3	6	3					

Step 1: How many times does **60 (6 tens)** divide into **3?**

Step 2: Is anything remaining?

Step 3: How many times does **3 (3 ones)** divide into **3?**

3
6
9
12
15
18
21
24
27
30

		T	O					
	3	6	3					

Step 1: How many times does **60 (6 tens)** divide into **3**

Step 2: Is anything remaining? **No**

Step 3: How many times does **8 (8 ones)** divide into **4?**

3
6
9
12
15
18
21
24
27
30

		T	O					
	3	9	6					

Step 1: How many times does **90 (9 tens)** divide into **3**

Step 2: Is anything remaining?

Step 3: How many times does **6 (6 ones)** divide into **3?**

On your whiteboard:

$10 \div 2 =$

$30 \div 5 =$

$14 \div 2 =$

$69 \div 3 =$

$88 \div 4 =$

$78 \div 6 =$

$70 \div 5 =$

Practice together

			T	O					

____ tens ÷ ____ = ____

____ ones ÷ 4 = ____

Look carefully at how this is different!

4
8
12
16
20
24
28
32
36
40

		T	O					
	4	7	2					

7 tens ÷ 4 = ___ remainder ___

Remainder + 2 = _____

___ ÷ 4 = ___

Look carefully at how this is different!

4
8
12
16
20
24
28
32
36
40

		T	O					
		1	8					
	4	~~7~~	3 2					

7 tens ÷ 4 = 1ten remainder 3tens

Remainder + 2 = 32

32 ÷ 4 = 8

5
10
15
20
25
30
35
40
45
50

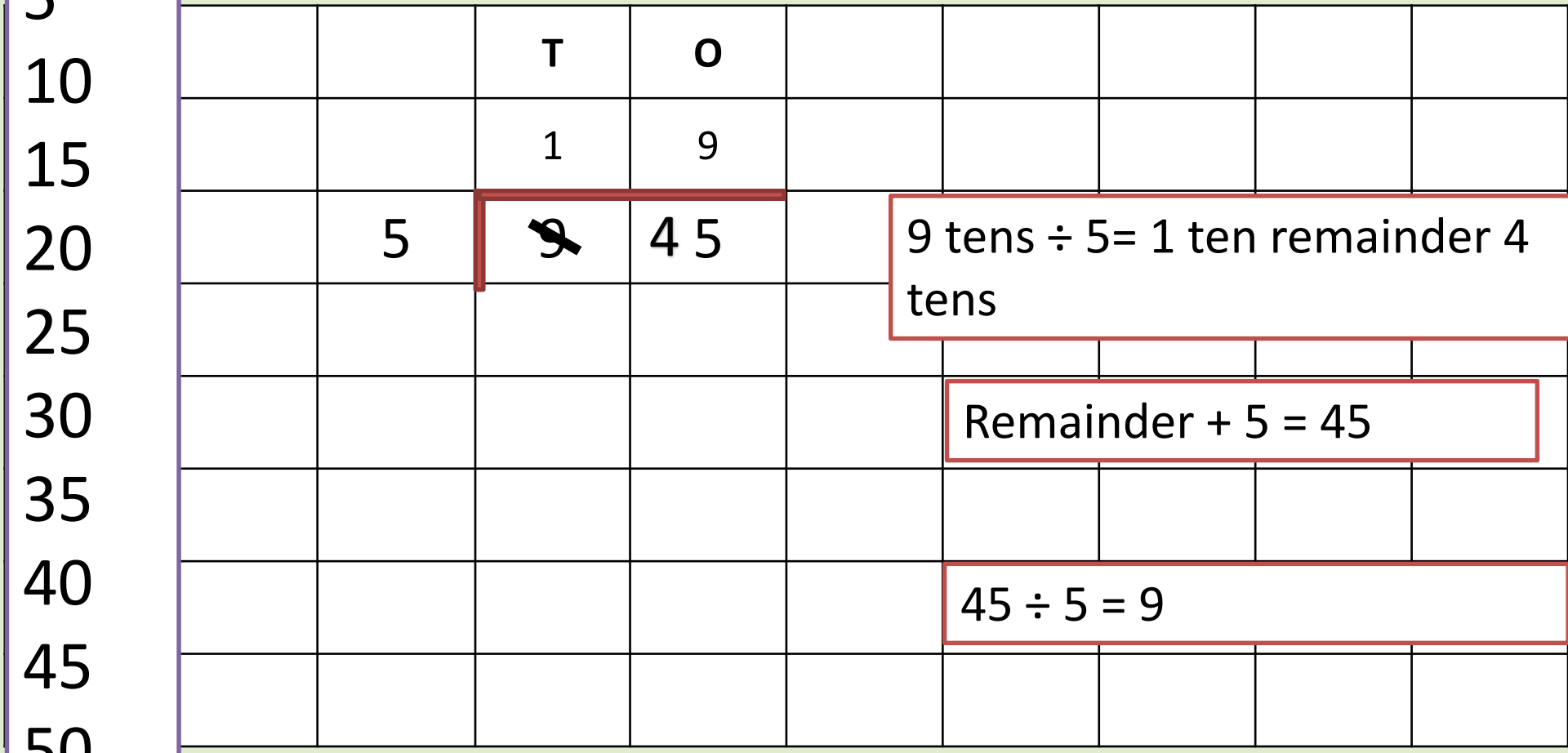
		T	O					
	5	9	5					

9 tens ÷ 5= ___ remainder ___

Remainder + 5 = _____

___ ÷ 5 = ___

5
10
15
20
25
30
35
40
45
50



On your whiteboard:

16 ÷ 2 = ___

20 ÷ 5 =

36 ÷ 3 = ___

84 ÷ 4 =

84 ÷ 3 =

72 ÷ 3 =

84 ÷ 7 =

72 ÷ 6 =

Practice together

			T	O					

_ tens ÷ _= ___ remainder ___

Remainder + __ = _____

___ ÷ 5 = ___

Create a step by step guide to solve this question

$57 \div 3$

Step 1: Read the number sentence

Step 2: Draw the bus stop method

Step 3: Write the biggest number inside the bus stop

Step 4: Write the 3x tables on the side

Step 5: Divide the tens first and continue

Your tasks today – practice using the			
Hard – use times tables	Harder – no carrying required	Hardest – carrying required (3s , 4s, 5s)	Herculean – carrying required (all tables)
1. 25 ÷ 5 =	1. 26 ÷ 2=	1. 81 ÷ 3 =	1. 84 ÷ 6 =
2. 18 ÷ 2 =	2. 84 ÷ 4 =	2. 92 ÷ 4 =	2. 91 ÷ 7 =
3. 21 ÷ 3 =	3. 39 ÷ 3 =	3. 70 ÷ 5 =	3. 78 ÷ 3 =
4. 16 ÷ 4 =	4. 55 ÷ 5 =	4. 87 ÷ 3 =	4. 108 ÷ 9 =
5. 36 ÷ 4 =	5. 64 ÷ 2 =	5. 64 ÷ 4 =	5. 98 ÷ 7 =
6. 16 ÷ 8 =	6. 69 ÷ 3 =	6. 85 ÷ 5 =	6. 78 ÷ 6 =
7.14 ÷ 7 =	7. 48 ÷ 2 =	7. 72 ÷ 3 =	7. 123 ÷ 3 =
8. 35 ÷ 5 =	8. 63 ÷ 3 =	8. 76 ÷ 4 =	8. 96 ÷ 6 =
9. 50 ÷ 10 =	9. 82 ÷ 2 =	9. 95 ÷ 5 =	9. 104 ÷ 8 =
10. 24 ÷ 6 =	10. 93 ÷ 3	10. 42 ÷ 3 =	10. 135 ÷ 9 =

Your tasks today – practice using the			
Hard – use times tables	Harder – no carrying required	Hardest – carrying required (3s , 4s, 5s)	Herculean – carrying required (all tables)
1. 25 ÷ 5 = 5	1. 26 ÷ 2= 13	1. 81 ÷ 3 = 27	1. 84 ÷ 6 =14
2. 18 ÷ 2 = 9	2. 84 ÷ 4 = 21	2. 92 ÷ 4 = 23	2. 91 ÷ 7 = 13
3. 21 ÷ 3 = 7	3. 39 ÷ 3 = 13	3. 70 ÷ 5 = 14	3. 78 ÷ 3 = 26
4. 16 ÷ 4 = 4	4. 55 ÷ 5 =11	4. 87 ÷ 3 = 29	4. 108 ÷ 9 = 12
5. 36 ÷ 4 = 9	5. 64 ÷ 2 =32	5. 64 ÷ 4 = 16	5. 98 ÷ 7 = 14
6. 16 ÷ 8 = 2	6. 69 ÷ 3 =23	6. 85 ÷ 5 = 17	6. 78 ÷ 6 = 13
7.14 ÷ 7 =2	7. 48 ÷ 2 = 24	7. 72 ÷ 3 = 24	7. 123 ÷ 3 = 41
8. 35 ÷ 5 = 7	8. 63 ÷ 3 = 21	8. 76 ÷ 4 = 19	8. 96 ÷ 6 =16
9. 50 ÷ 10 =5	9. 82 ÷ 2 = 41	9. 95 ÷ 5 = 19	9. 104 ÷ 8 = 13
10. 24 ÷ 6 = 3	10. 93 ÷ 3 = 31	10. 42 ÷ 3 = 14	10. 135 ÷ 9 = 15