WELCOME

to today's Maths lesson

10.02.21
Division with remainders

ENJOY!

10.02.21
Division with remainders

Good morning, Year 3.

In today's Maths lesson, we are going to be learning about **division with remainders.**

There is no White Rose Maths video today. Please watch the video of me explaining today's lesson (link on website) and showing you how to answer the questions practically.

If you have any questions or would like to send in any work, please email it to:
yearthree@st-jo-st.dudley.sch.uk

Well done everyone, you are all superstars ☺

Love
Miss Robertson xxxx

Starter activities:

Today's Tough Ten	
1	$20 \div 5 =$
2	$= 20 - 11$
3	$9 + 7 =$
4	
5	$65 - 34 =$
6	$90 - 46 =$
7	$11 \times 5 =$
8	$110 \div 10 =$
9	$= 67 + 28$
10	$60 - 33$

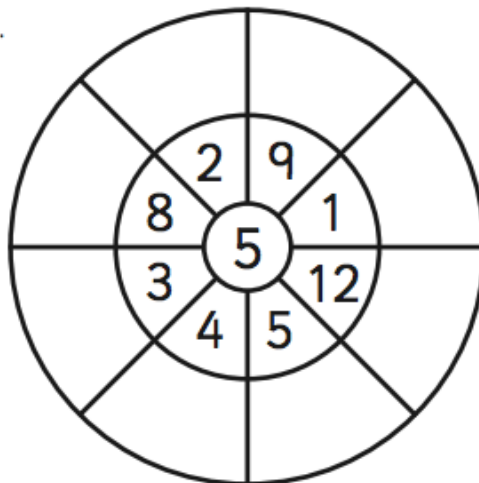| Today's Tough Ten	
1	$= 3 + 6$
2	$2 + 5 =$
3	$10 - 0 =$
4	$7 + 3 =$
5	$9 + 1 =$
6	$2 + 3 =$
7	$= 2 + 8$
8	$= 1 + 9$
9	$5 - 3 =$
10	$4 + 6 =$

The blue tough ten is easier than the orange ☺
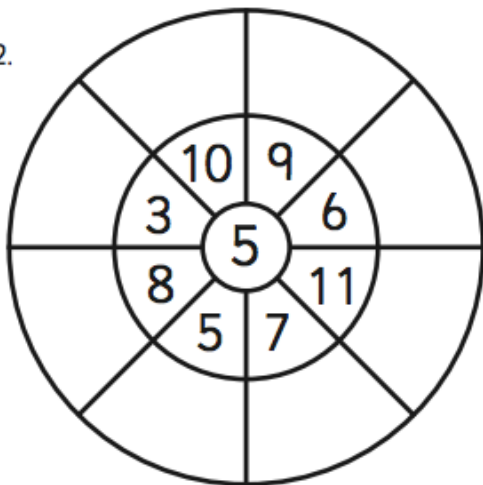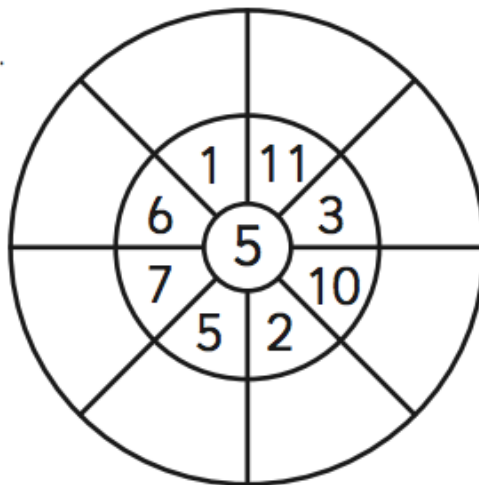
Times table practise:

1.

4.
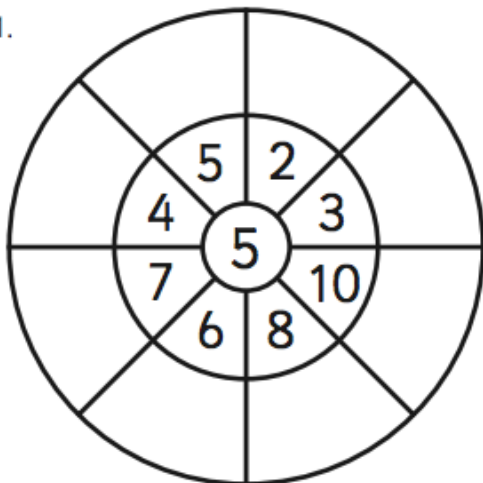
Remember, you can also logon to TTRS to practise too :D

2.

5.

Multiplication grid
Use this to help you if you need to ☺
Remember, the 4 times table is just double the 2 times table and the 8 times table is just double the 4 times table.

X	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
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144
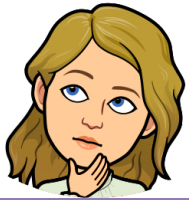
Sometimes, when you divide a number into **equal groups**, there will be **a number left over**. This is called the **'remainder'.**
The remainder is **always less than the divisor** (the number that you are dividing by.)

Miss Robertson has 13 chocolates to give to her friends. She shares them equally between 4 friends.
How many chocolates do they each get?
How many chocolates are left over?

13 is divided into 4 equal groups. There are 3 in each group with a remainder of 1.
13 ÷ 4 = 3 r1

Answer these questions. All of your answers should have a remainder.

1. $15 \div 4 =$

2. $13 \div 3 =$

3. $11 \div 3 =$

4. $16 \div 3 =$

5. $19 \div 4 =$
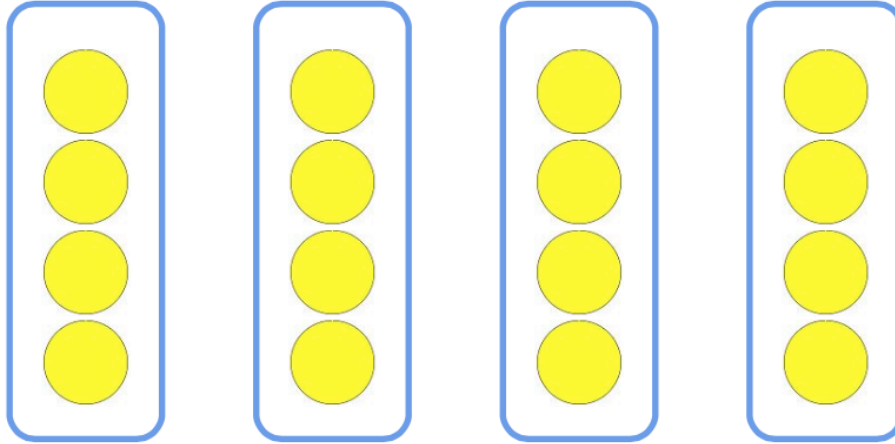
6. $27 \div 2 =$

7. $15 \div 2 =$

8. $12 \div 5 =$

Sophie is working out 16 ÷ 4 =.
She says that the answer will be 3 r 4. Explain the mistake she has made.
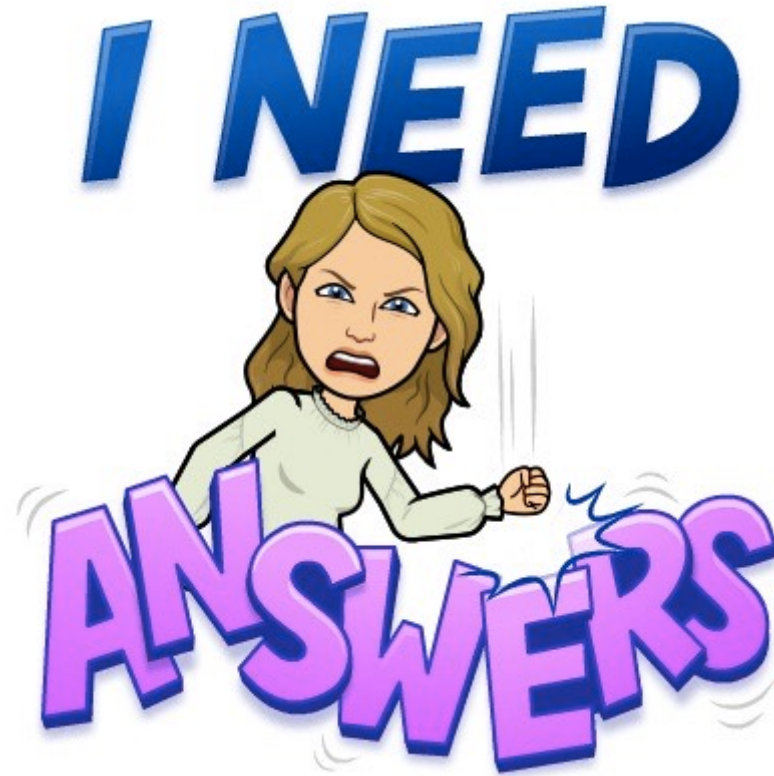
Sam was asked to answer some maths questions.
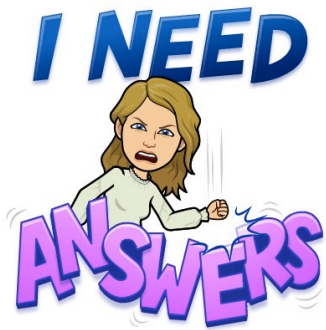He solved them and wrote them down.
Has he got them all correct?
Check his answers by solving the questions.

Sam's answers:
20 ÷ 5 = 3 r 5
18 ÷ 4 = 3 r 6
22 ÷ 3 = 7 r 1

Answers are coming up on the next slide. No peeking until you have completed the questions ☺

1. 15 ÷ 4 = 3 r 3

2. 13 ÷ 3 = 4 r 1

3. 11 ÷ 3 = 3 r 2

4. 16 ÷ 3 = 5 r 1

5. 19 ÷ 4 = 4 r 3

6. 27 ÷ 2 = 13 r 1

7. 15 ÷ 2 = 7 r 1

8. 12 ÷ 5 = 2 r 2
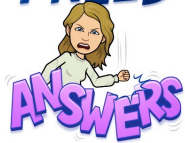
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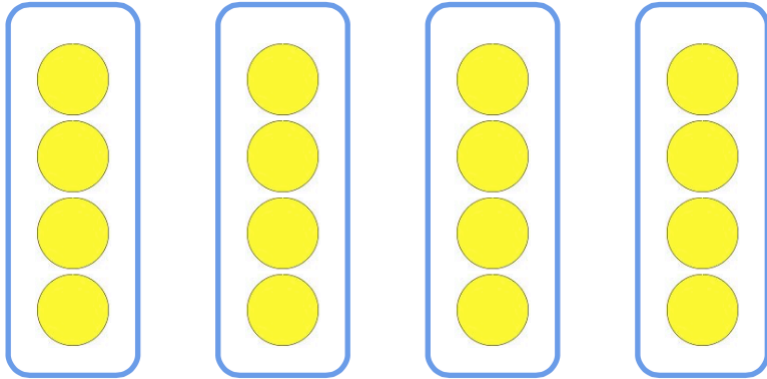
Sophie can make 4 equal groups of 4.
The remainder is always less than the divisor.
Sophie is dividing by 4 so her answer must have a remainder of 3 or less. 16 ÷ 4 = 4

Sam was asked to answer some maths questions.
He solved them and wrote them down.
Has he got them all correct?
Check his answers by solving the questions.

Sam's answers:	Correct answers:	
20 ÷ 5 = 3 r 5	20 ÷ 5 = 4	❌
18 ÷ 4 = 3 r 6	18 ÷ 4 = 4 r 2	❌
22 ÷ 3 = 7 r 1	22 ÷ 3 = 7 r 1	✔️

Thank you for working so hard.
Please send in any photos of your work or any questions you have to yearthree@st-jo-st.dudley.sch.uk

It is always a pleasure to see all of your work.