

Friday 27th March 2020

WALT solve division and multiplication problems

ROCKSTARS! (5 minutes)

<https://play.trockstars.com/auth/school>



Arithmetic test

Every Friday, there will be a short arithmetic test for you to do before the main lesson.

- Try to time yourself for 10 minutes.
- Try to improve your score each week!

Well done so far with all your learning 😊

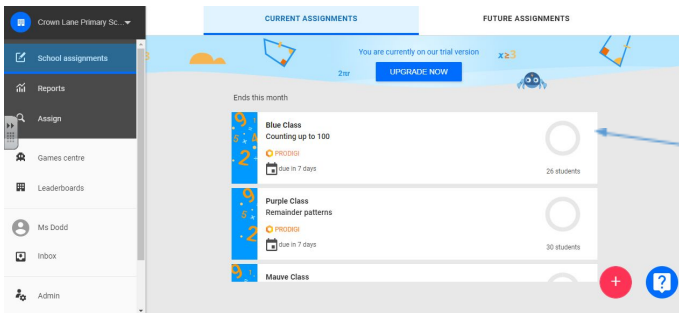
1. $486 \div 3 =$
2. $180 \div 3 =$
3. $5,400 \div 9 =$
4. $120 \div 12 =$
5. $60 \div (30 - 24) =$
6. $50 + (36 \div 6) =$
7. $99 \div 11 =$

Task 1 – Mangahigh assignment

Go to <https://www.mangahigh.com/en-gb/> and login using the logins that were sent to you by school.

A screenshot of the Mangahigh website homepage. At the top, there is a blue banner with the text 'We are offering free access to Mangahigh for schools impacted by COVID-19. Read more here.' Below this, the website header includes the Mangahigh logo and navigation links: 'Competitions', 'For Home', 'Coding', 'Games', 'Activities', 'Blog', 'Register', and 'Log In'. The main content area features the headline 'Get your students excited, engaged and excelling at maths and coding!' followed by three bullet points: 'Adaptive quizzes, innovative games and social competitions', 'Aligned to international curricula', and 'Real-time analytics with AI support for differentiation'. To the right of the text is a tablet displaying a colorful math game interface. A blue arrow points from the 'Log In' button in the header to a text box on the right.

Click this button. Enter your log in details (inside your purple book OR on the letter from Crown Lane.



Find your class and click it. The website will then tell you which game to complete!

Task 2 Taken from white rose.com

Today, you are going to use some problem solving skills about division. Use all the knowledge you've learnt this week to help you.

1. Explain and correct the working.



	3	1	0	1	
3	9	4	1	4	

2.

I am thinking of a 3-digit number.

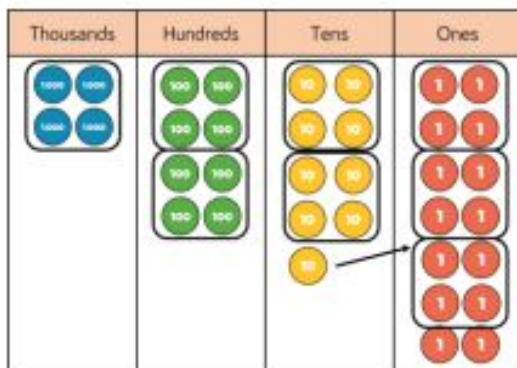
When it is divided by 9, the remainder is 3

When it is divided by 2, the remainder is 1

When it is divided by 5, the remainder is 4

What is my number?

3. Here is a method to solve 4,894 divided by 4 using place value counters and short division.



	1	2	2	3	
4	4	8	9	4	r2

Use this method to calculate:

$$6,613 \div 5$$

$$2,471 \div 3$$

$$9,363 \div 4$$

Answers

1. The second number should be how many 3s fit into 14. The answer is 4 r 2 so the 2 needs to be carried over to the next number. If you have got the answer 3,138, you have corrected the problem.

2.

Possible answers:

129	219
309	399
489	579
669	759
849	939

Encourage children to think about the properties of numbers that work for each individual statement. This will help decide the best starting point.

3.

$$6,613 \div 5 = 1,322 \text{ R } 3$$
$$2,471 \div 3 = 823 \text{ R } 2$$
$$9,363 \div 4 = 2,340 \text{ R } 3$$