

Kayaks Maths for

22nd June

23rd June

24th June

25th June

26th June

There is one page for each day

There are more Mathematics tasks assigned this week so have a look!

Well done to the children who have earned one of the 9 Bronze certificates and 5 Silver certificates.

Some children I know have been awarded more than 1 certificate! Keep it up!

Maths 22.6.20

Fill in the missing numbers.

$1 \text{ ten} + 3 \text{ tens} = 13$

$2 \text{ tens} + \underline{\quad} \text{ ones} = 23$

$3 \text{ tens} + 3 \text{ ones} = \underline{\quad}$

$\underline{\quad} \text{ tens} + 3 \text{ ones} = 43$

What would the next 3 patterns be?

$\underline{\quad} \text{ tens} + \underline{\quad} \text{ ones} = \underline{\quad}$

$\underline{\quad} \text{ tens} + \underline{\quad} \text{ ones} = \underline{\quad}$

$\underline{\quad} \text{ tens} + \underline{\quad} \text{ ones} = \underline{\quad}$

Use understanding of place value to add and subtract two digit numbers (with regrouping).

In the last 2 weeks, we have been partitioning two digit numbers in order to add and subtract without crossing the tens barrier (the **unit** answers always equalling **9 or less**). For example: TU+ TU = TU

$14 + 15 = 29$

$22 + 34 = 55$

$46 + 22 = 68$

This week, we will extend our knowledge and practise partitioning two digit numbers that **will** cross over the tens barrier (regroup). For addition number sentences, this is straightforward. See the first example below and have a go at the others yourself.

Sum	partition the tens	partition the ones	add them to get the final answer
17 + 18	10 + 10 = 20	7 + 8 = 15	20 + 15 = 35
26 + 45			
34 + 57			
69 + 13			

However, this method of partitioning does not work for subtraction where the **unit** answer is **more** than 9. In subtraction, only the second number (the smallest number) must be partitioned into **tens** and **units** if we are to use **only** subtraction to solve the sum. For example: $86 - 47 =$

$47 = 40 + 7$

$86 - 40 = 46$

$46 - 7 = 39$

Have a go at these. The first one has been done for you.

Sum	partition the smallest number	subtract the tens	subtract the units
25 - 17	17 = 10 + 7	25 - 10 = 15	15 - 7 = 8
31 - 22			
42 - 34			
55 - 28			
68 - 49			
83 - 45			

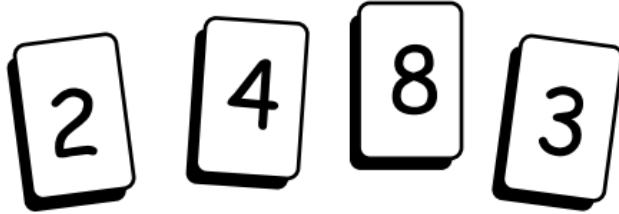
Maths 24.6.20

Sum Up!

Choose from these four cards to make these totals: **9, 10, 11, 12, 13, 14, 15.**

Note: you can use as many of the numbers as you like but each number can only be used once. You can use addition, subtraction or both to find the totals.

For example, I could use the numbers 8, 2 and 3 and make: $8 + 2 = 10$ and then $10 - 3 = 7$.



Challenge: Try it yourself. What other totals can you make from the cards?

Add and subtract two digit numbers with regrouping: Word problems.

Is it + or -? Underline the key word(s) in each problem.

Use your knowledge of partitioning to show your working out. Reminder below:

Sum +	partition the tens	partition the ones	add them to get the final answer
$17 + 18$	$10 + 10 = 20$	$7 + 8 = 15$	$20 + 15 = 35$
Sum -	partition the smallest number	subtract the tens	subtract the units
$25 - 17$	$17 = 10 + 7$	$25 - 10 = 15$	$15 - 7 = 8$

1. In the hall, there are 52 children. Another 29 children enter the hall. How many children are in the hall overall?
2. Max the dog ate 67 bones and then an extra 34 bones. How many bones did Max the dog eat?
3. A class is raising money for charity. Their target is £75. So far they have raised £39. How much more do they need to raise to meet their target?
4. A teacher has 87 pencils. She gives 48 out during the day. How many does she have left?
5. Dave has 64 spots on his pyjamas. He puts them in the wash and 38 of them disappear! How many spots are left?
6. There are 31 apples and 49 pears in the bowl. How many fruits are there in total?

Challenge:

The teachers bought a new box of tea bags for the staff room. The box contained 480 tea bags. Last week, they used 86 bags. This week they used 155 tea bags. How many tea bags are left?



Maths 25.6.20

The difference between 12 and 18 is that one has a 2 in it and the other has an 8 in it.



I don't think that's what they mean by difference. The difference would be 6.



Who is correct? Prove it.

$$44 - 26 = 22.$$

I know because, $40 - 20 = 20$

$$4 - 6 = 2$$

$$\text{And } 20 + 2 = 22$$



How strange!

I have 18 as my answer.



Who is right? How do you know?

$$7 \times 6 = 7 \times 3 \times 2 = 42$$



$$7 \times 6 = 7 \times 7 + 8 = 42$$



Who is correct? Explain why.

You are facing the way the arrow points. Colour the shape the spinner would point to if it turned.

d

right

e

left

f

left

Turns and Angles

<p>2a. What turn does the spinner need to make to get from the caterpillar to the butterfly?</p> <p>★</p>	<p>2b. What turn does the spinner need to make to get from the butterfly to the snail?</p> <p>★</p>
<p>3a. If the hour hand is turned a quarter turn, what time will it be?</p> <p>★</p>	<p>3b. If the hour hand is turned a quarter turn, what time will it be?</p> <p>★</p>

Challenge: True or False?

<p>1. If you start at 6 on the clock, a three quarter turn anti-clockwise is the same as a quarter turn clockwise.</p>	
<p>2. Four quarter turns clockwise are the same as a full turn.</p>	
<p>3. A $\frac{2}{4}$ turn clockwise is the same as a quarter turn anti-clockwise.</p>	