

Where will your mathematical knowledge take you?



3. Asia

Asia Targets	Date Achieved	Date Achieved	Date Achieved
Count from 0 in multiples of 4			
Count from 0 in multiples of 8			
Count from 0 in multiples of 50			
Count from 0 in multiples of 100			
Say 10 more and 10 less than any number to 1000			
Say 100 more and less than any number to 1000			
Know by heart all multiplication facts for the 3 times table up to 3x12			
Know by heart all multiplication facts for the 4 times table up to 4x12			
Know by heart all multiplication facts for the 8 times table up to 8x12			
Count up and down in tenths			
Know by heart all division facts for the 3 times table up to 36			
Know by heart all division facts for the 4 times table up to 48			
Know by heart all division facts for the 8 times table up to 96			
Know by heart all pairs of multiples of 5 which total 100			
Know by heart all pairs of multiples of 100 which total 1000			



RUSHDEN
PRIMARY ACADEMY

Fluency Passport

Stage 3 Asia

Name: _____

Class: _____



Stage 3: Asia

Target	Example	Can you child answer these questions?
Count from 0 in multiples of 4	4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48	Which number comes after 20 when counting in 4s?
Count from 0 in multiples of 8	8, 16, 24, 32, 40, 48, 56, 64, 72, 80, 88, 96	32, 40, 48. What number comes next?
Count from 0 in multiples of 50	50, 100, 150, 200, 250 ...	500, 450, 400. What number comes next in this sequence?
Count from 0 in multiples of 100	100, 200, 300, 400, 500 ...	Tell me a number which is a multiple of 100. Which is the next multiple?
Say 10 more and less than any number to 1000	10 more than 734 is 744 10 less than 256 is 156	What is 10 more than...? If I take 10 away from 546, what is my answer?
Say 100 more and less than any number to 1000	100 more than 568 is 668 100 less than 980 is 880	What is 100 more than...? If I take 100 away from 321, what is my answer?
Know by heart all multiplication facts for the 3 times table up to 3×12	$1 \times 3 = 3$, $2 \times 3 = 6$ up to... $11 \times 3 = 33$, $12 \times 3 = 36$	What are 3 lots of 3? 10×3 ?
Know by heart all multiplication facts for the 4 times table up to 4×12	$1 \times 4 = 4$, $2 \times 4 = 8$ up to... $11 \times 4 = 44$, $12 \times 4 = 48$	What are 9 lots of 4? 5×4 ?
Know by heart all multiplication facts for the 8 times table up to 8×12	$1 \times 8 = 8$, $2 \times 8 = 16$ up to... $11 \times 8 = 88$, $12 \times 8 = 94$	What are 7 lots of 8? 9×8 ?
Count up and down in tenths	One tenth, two tenths, three tenths... one	
Know by heart all division facts for the 3 times table up to 36	$36 \div 3 = 12$, $33 \div 3 = 11$ down to ... $3 \div 3 = 1$	How many threes make 9? How many 3s in 18? How many groups of three can I make with 15 objects?
Know by heart all division facts for the 4 times table up to 48	$48 \div 4 = 12$, $44 \div 4 = 11$ down to ... $4 \div 4 = 1$	How many fours make 40? How many 4s in 36? How many groups of four can I make with 48 objects?
Know by heart all division facts for the 8 times table up to 96	$96 \div 8 = 12$, $88 \div 8 = 11$ down to ... $8 \div 8 = 1$	How many eights make 64? How many 8s in 32? How many groups of eight can I make with 40 objects?
Know by heart all pairs of multiples of 5 which total 100	$5 + 95$, $10 + 90$, $15 + 85$, $20 + 80$, $25 + 75$...	What do I add to 55 to make 100? If I have 75, how many more do I need to make 100?
Know by heart all pairs of multiples of 100 which total 1000	$100 + 900$, $200 + 800$, $300 + 700$, $400 + 600$, $500 + 500$	What do I add to 100 to make 1000? If I have 400, how many more do I need to make 1000?

RPA Fluency Passport: Information for Parents

The mathematics curriculum has three key aims. These are to ensure that all pupils; become fluent in mathematics, can reason mathematically and can solve problems. As an academy, over the last year we have been working hard to develop problem solving activities within lessons and encouraging children to explain their thinking and give reasons for their choices. The new 'Fluency passport' allows us to work in partnership with parents and carers to focus on the third key aim, fluency.

Our passport is broken down into each of the inhabited continents of the world, each focusing on different mathematical skills linked to the National Curriculum. Before a passport is issued to our youngest children, they will have to complete a series of challenges known as 'Getting Ready to Travel' which is based on the EYFS curriculum targets.

The Fluency passport will be used to help children master key mental arithmetic skills. They will be required to demonstrate quick recall and understanding of the different skills a number of times before staff will sign these off and allow the children to progress.

The key skills for each continent are listed alongside examples of how this skill can be demonstrated and example questions which can be used to test children's ability and understanding.

Targets will be assessed termly and upon completion of a continent at the end of the year, children will receive a certificate to take home which celebrates their success. The continents and targets will be completed in the order; Europe, Africa, Asia, Australia, North America, South America and finally Globetrotters.

Thank you in anticipation for your support.

Happy travelling!