

## Arithmetic paper

$7 + 8 =$	The children will need to know how to add 2 single digit numbers mentally.
$3 + \_ + 6 = 16$	The children will need to be able to find the missing number. They can do this by adding what they have and working out how much more they need.
$22 + 7 =$	The children will need to add a two digit number and a single digit number.
$20 + 30 + 50 =$	The children will need to add multiples of 10. The children can use the strategy if I know $2 + 3 + 5 = 10$ then I know $20 + 30 + 50 = 100$ .
$47 + 50 =$	The children will need to add a multiple of 10 to a two digit number. They can use the strategy if I know $4 + 5 = 9$ then I know $47 + 50 = 97$ .
$20 + \_ = 70$	The children can use the same strategy above for solving missing number problems.
$84 + 12 =$	The children will need to add two, two digit numbers. Some children will solve mentally and others will draw out the equation using 10s and ones.
$52 + 29 =$	The children can use the same strategy as above. This questions involves the children crossing into the next 10.
$6 - 4 =$	The children will have very similar subtraction problems where they can use the same strategies as above but subtracting.
$\_ = 15 - 2$	
$43 - 5 =$	
$90 - 80 =$	
$92 - 60 =$	
$85 - 21 =$	
$91 - 48 =$	
$6 \times 2 =$	The children need to know their 2, 3, 5 and 10 times tables. They can work these out drawing arrays.

$80 \div 10 =$	The children will need to know the related division facts for the 2, 3, 5 and 10 times table.
$1/3$ of 12 =	The children will need to understand how to find fractions of number. They will need to know that the bottom number is showing the number of equal groups they need.

Reasoning - for this paper the children will need to know and understand a range of mathematical vocabulary.

How much more	This is a question that often trips the children up as they see the word more and then add. The children need to understand that how much more will require them to either count on or subtract.
Total	The final answer.
Altogether	Add the numbers together.
Left	Subtract the numbers to find the answer.

Reading paper - the children need to have a clear understanding of question words.

Who	The children will need to look for the name of a person (which will have a capital letter) or the name of a group of people e.g. children.
When	The children will be looking for a time, day of the week, date or year.
Where	This will be a place and will usually have a capital letter.
What	This would relate to an action or object.
Why	The children will need to explain their answers using because.

The children will also need to ensure they develop their vocabulary so that they can understand a more complex range of words.