

Phase 4 Expressions and Equations Assessment

Phase 4 Progression Overview	Assessment Note	Marks
I can, within 1000, I have Investigated a variety of numerical expressions using pictures or symbols as minuends and subtrahends	Question 1	2
I can use my known multiplication facts (2, 3, 4, 5 and 10) to investigate a variety of numerical expressions using pictures or symbols as multiplicands and multipliers. e.g. $u \times 4 = 24$ and $4 \times u = 24$	Question 2	2
I understand and can accurately use the terms 'equal to', 'not equal to', 'less than', 'greater than', and the related symbols ($=$, $\neq$, $<$, $>$) when comparing quantities.	Question 3	3
I can apply an understanding of the equals sign as a balance, and knowledge of number facts, to solve simple algebraic problems where a picture or symbol is used to represent a number, for example, $u + 17 = 30$ and $u \times 6 = 30$.	Question 4	2
TOTAL MARKS		/9

	Question	Mark
1	<i>Addition and Subtraction</i> Within 1000, I have Investigated a variety of numerical expressions using pictures or symbols as minuends and subtrahends a.) Find the missing number in this number sentence $\boxed{} + 150 = 500$ b.) Find the missing number in this number sentence $800 - \boxed{} = 620$	2
2	<i>Multiplication and Division</i> I can use my known multiplication facts (2, 3, 4, 5 and 10) to investigate a variety of numerical expressions using pictures or symbols as multiplicands and multipliers. e.g. $\blacklozenge \times 4 = 24$ and $4 \times \blacklozenge = 24$ a.) Complete this number sentence: $\boxed{} \times 2 = 16$ b.) Complete this number sentence: $5 \times \boxed{} = 20$	2

3	I understand and can accurately use the terms 'equal to', 'not equal to', 'less than', 'greater than', and the related symbols ($=$, $\neq$, $<$, $>$) when comparing quantities. a.) Use $=$, $<$ or $>$ to fill in the gap 637 674 b.) Use $=$, $<$ or $>$ to fill in the gap 820 $800 + 20$ c.) Use $=$, $<$ or $>$ to fill in the gap $200 + 30 + 1$ 213	3
4	I can apply an understanding of the equals sign as a balance, and knowledge of number facts, to solve simple algebraic problems where a picture or symbol is used to represent a number, for example, $\blacklozenge + 17 = 30$ and $\blacklozenge \times 6 = 30$. a.) Is the number sentence, true or false? $+ 40 = 100$ If the missing number is 60. Is the number sentence, true or false? b.) Is the number sentence, true or false? 70 - $= 20$ If the missing number is 40. Is the number sentence, true or false?	2