

數學科STAR預設評估課業及學與教材料 (二零二零年九月)

| STAR - 預設評估課業 |    |      |              |  |   |  |      | 網上學與教支援材料 |  |  |
|---------------|----|------|--------------|--|---|--|------|-----------|--|--|
| 學習階段          | 級別 | 學習範疇 | 學習單位         | 基本能力   | 評估標題  | 題目編號 (難度)  | 題目數量 | 所需時間      | 相關學與教支援  | 互動遊戲   |
| 一             | 小一 | 數    | 1N3 100以內的數  | KS1-N1-1 展示對位(個位至萬位)的認識,包括讀、寫和按大小排列不超過五位的數   | 小一: 1N3<br>100以內的數(認識21-100各數、認識個位及十位的概念及比較數的大小)(2020年9月) | MC1BN1620 (低)<br>MC10000021 (低)<br>MC1BN1050 (低)<br>MC1BN0120 (低)<br>MC1BN0400 (低)<br>MC1BN0920 (低)<br>MC10000041 (高)<br>MC1BN034 (高)  | 8    | 8         | KS1-N1-1<br>認識個位、十位、百位、千位和萬位的位值<br><a href="https://wlts.edb.hkcity.net/tc/mathematics/ks1/number/ks1_n1_1_f.html">https://wlts.edb.hkcity.net/tc/mathematics/ks1/number/ks1_n1_1_f.html</a>   |  |
| 一             | 小二 | 數    | 2N2 加法和減法(二) | KS1-N2-1<br>進行不超過三個三位數的加法和減法運算及運用加法交換和結合性質(不包括運用括號、進行三次進位的加法和進行混合運算)                                   | 小二: 2N2<br>加法和減法(二)<br>(進行不超過三個數的減法運算)<br>(2020年9月)       | MC2BN4100 (低)<br>MC2BN2021 (低)<br>MC2BN4010 (低)<br>MC2BN4020 (低)<br>MC2BN4050 (低)<br>MC2BN4070 (低)<br>MC2BN4061 (低)<br>MC2BN0050 (中)<br>MC2BN0030 (高)  | 9    | 10        | KS1-N2-2 計算減法(不超過三位數)<br><a href="https://wlts.edb.hkcity.net/tc/mathematics/ks1/number/ks1_n2_2_f.html">https://wlts.edb.hkcity.net/tc/mathematics/ks1/number/ks1_n2_2_f.html</a>   |  |
| 一             | 小三 | 數    | 3N5 四則計算(一)  | KS1-N2-2 計算減法(不超過三位數)<br>KS1-N2-5 計算混合算式題,包括:(a) 加和減(不超過三位數,包括小括號);(b) 乘和加;(乘法限於10或以內的數,不包括小括號)(c) 乘和減 | 小三: 3N5<br>四則計算(一)<br>(應用小括號——第三部分)(2020年9月)              | MC2BN1750 (低)<br>MC3T14N060 (低)<br>MC3BN3501 (低)<br>MC3T12N960 (低)<br>MC2BN1670 (低)<br>MC30500460 (低)<br>MC3T12NA00 (低)<br>MC3T17N630 (低)<br>MC30601440 (低)<br>MC3T08N680 (低)<br>MC3T10N710 (低)              | 11   | 14        | KS1-N2-2 計算減法(不超過三位數)<br><a href="https://wlts.edb.hkcity.net/tc/mathematics/ks1/number/ks1_n2_2_f.html">https://wlts.edb.hkcity.net/tc/mathematics/ks1/number/ks1_n2_2_f.html</a><br><br>KS1-N2-5 計算混合算式題,包括:(a) 加和減(不超過三位數,包括小括號);(b) 乘和加;(乘法限於10或以內的數,不包括小括號)(c) 乘和減<br><a href="https://wlts.edb.hkcity.net/tc/mathematics/ks1/number/ks1_n2_5_f.html">https://wlts.edb.hkcity.net/tc/mathematics/ks1/number/ks1_n2_5_f.html</a> | 尋寶之旅(加法)<br><a href="https://wlts.edb.hkcity.net/filemanager/file/mathematics/ks1/ks1n21/ks1-n2-1-f1-3/KS1-N2-1-f1-3.html">https://wlts.edb.hkcity.net/filemanager/file/mathematics/ks1/ks1n21/ks1-n2-1-f1-3/KS1-N2-1-f1-3.html</a><br><br>尋寶之旅(減法)<br><a href="https://wlts.edb.hkcity.net/filemanager/file/mathematics/ks1/ks1n22/ks1-n2-2-f1-3/KS1-N2-2-f1-3.html">https://wlts.edb.hkcity.net/filemanager/file/mathematics/ks1/ks1n22/ks1-n2-2-f1-3/KS1-N2-2-f1-3.html</a> |
| 二             | 小四 | 數    | 倍數和因數        | KS2-N2-1 認識倍數及因數。  | 小四: 4N3<br>倍數和因數<br>(認識倍數及因數)<br>(2020年9月)                | MC4BN4191 (低)<br>MC6T19N540 (低)<br>MC4BN3681 (低)<br>MC4BN1390 (低)<br>MC4BN1340 (低)<br>MC4BN4380 (低)<br>MC4BN3640 (中)<br>MC6T13N650 (中)<br>MC60500930 (中)<br>MC6T14N020 (中)<br>MC4BN0010 (中)<br>MC4BN0050 (中) | 12   | 11        | KS2-N2-1 認識倍數及因數。<br><a href="https://wlts.edb.hkcity.net/tc/mathematics/ks2/number/ks2_n2_1_f.html">https://wlts.edb.hkcity.net/tc/mathematics/ks2/number/ks2_n2_1_f.html</a>   | 倍數互動練習<br><a href="https://wlts.edb.hkcity.net/filemanager/file/mathematics/ks2/ks2n21/ks2-n2-1-f4-1/story_html5.html">https://wlts.edb.hkcity.net/filemanager/file/mathematics/ks2/ks2n21/ks2-n2-1-f4-1/story_html5.html</a><br><br>因數互動練習<br><a href="https://wlts.edb.hkcity.net/filemanager/file/mathematics/ks2/ks2n21/ks2-n2-1-f6-1/story_html5.html">https://wlts.edb.hkcity.net/filemanager/file/mathematics/ks2/ks2n21/ks2-n2-1-f6-1/story_html5.html</a>             |

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| 二 | 小五    | 圖形與空間 | 八個方向 | KS2-S5-1 認識八個主要方向。  | 小五：5S1 八個方向<br>(認識八個主要方向)<br>(2020年9月)   | MC6T18S481 (低)<br>MC60701201 (低)<br>MC6T11S601 (低)<br>MC6T18S311 (低)<br>MC5BS2880 (中)<br>MC6T14S521 (中)<br>MC6T08S421 (中)<br>MC6T08S871 (中)   | 8  | 12 | KS2-S5-1 認識八個主要方向。<br><a href="https://wlts.edb.hkcity.net/tc/mathematics/ks2/shape_space/ks2_s5_1_f.html">https://wlts.edb.hkcity.net/tc/mathematics/ks2/shape_space/ks2_s5_1_f.html</a>  | 八個方向<br><a href="https://wlts.edb.hkcity.net/filemanager/file/mathematics/tc/ks2/ks2s51/ks2-s5-1-f4-1/swf/start.html">https://wlts.edb.hkcity.net/filemanager/file/mathematics/tc/ks2/ks2s51/ks2-s5-1-f4-1/swf/start.html</a> |
| 二 | 小六    | 數     | 小數   | KS2-N5-2 進行整數及小數的四則計算。  | 小六：6N1 小數(四)<br>(進行簡易小數四則混合計算) (2020年9月) | MC6BN2910 (低)<br>MC6BN0090 (低)<br>MC6T13NA50 (低)<br>MC6T16N880 (中)<br>MC6T19N610 (中)<br>MC6T10NB20 (中)<br>MC6T11NA90 (中)<br>MC5BN1900 (高)   | 8  | 11 | KS2-N5-2 進行整數及小數的四則計算。<br><a href="https://wlts.edb.hkcity.net/tc/mathematics/ks2/number/ks2_n5_2_fa.html">https://wlts.edb.hkcity.net/tc/mathematics/ks2/number/ks2_n5_2_fa.html</a>  |   |
| 三 | 中一至中三 | 數與代數  | 有向數  | KS3-NA1-1:<br>利用正數、負數及零去描述如盈利與虧損、相對於地面的樓宇層數的情況等<br>KS3-NA1-2: 展示對整數在數線上的序的認識<br>KS3-NA1-3:<br>作有向數加、減、乘、除運算(每一數式中作不超過3次運算)                      | 第三學習階段<br>(中——中三)：有向數<br>(2020年9月)       | MC9T19N240 (低)<br>MC9T19N250 (低)<br>MC9T19N260 (低)<br>MC9T15N290 (低)<br>MC90600011 (中)<br>MC7000357R (中)<br>MC7000009R (低)<br>MC9T12N311 (低)<br>MC9BN1671 (低)<br>MC9T10N320 (低)<br>MC9T11N310 (中)<br>MC9T09N301 (低)<br>MC9T13N310 (中)<br>MC9T08N480 (低)<br>MC9T09N310 (中)   | 15 | 16 | KS3-NA1-3:<br>作有向數加、減、乘、除運算(每一數式中作不超過3次運算)<br><a href="https://wlts.edb.hkcity.net/tc/mathematics/ks3/number_algebra_dimension/ks3_na1_3_f.html">https://wlts.edb.hkcity.net/tc/mathematics/ks3/number_algebra_dimension/ks3_na1_3_f.html</a>                            | 括弧君的煩惱<br><a href="https://wlts.edb.hkcity.net/filemanager/file/mathematics/tc/ks3/ks3na13/start.html">https://wlts.edb.hkcity.net/filemanager/file/mathematics/tc/ks3/ks3na13/start.html</a>                                 |
| 三 | 中一至中三 | 數與代數  | 率及比  | KS3-NA7-1: 展示對率及比的差異的認識<br>KS3-NA7-2: 以 $a : b$ (或) $a : b : c$ 的形式表示比<br>KS3-NA7-3: 從已知的比 $a : b$ 及 $a$ 或 $b$ 的值，求餘下的數量(包括從 $a : b : c$ 作類似計算) | 第三學習階段<br>(中——中三)：率及比<br>(2020年9月)       | MC9T19N040 (低)<br>MC9T18N040 (低)<br>MC9BN2481 (低)<br>MC9T14N060 (低)<br>MC9T19N050 (低)<br>MC9T18N050 (低)<br>MC9BN3250 (中)<br>MC9BN3241 (中)<br>MC9BN3210 (中)<br>MC9BN3200 (中)<br>MC9T19N320 (中)<br>MC9T18N320 (中)<br>MC7000337R (低)<br>MC90600531 (中)<br>MC9BN1100 (低)<br>MC9BN1110 (低)<br>MC9T11N380 (中)<br>MC9T08N490 (中) | 18 | 21 | KS3-NA7-3: 從已知的比 $a : b$ 及 $a$ 或 $b$ 的值，求餘下的數量(包括從 $a : b : c$ 作類似計算)<br><a href="https://wlts.edb.hkcity.net/tc/mathematics/ks3/number_algebra_dimension/ks3_na7_3_f.html">https://wlts.edb.hkcity.net/tc/mathematics/ks3/number_algebra_dimension/ks3_na7_3_f.html</a> |   |

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| 三 | 中一至中三 | 數與代數 | 一元一次不等式 | <p>KS3-NA16-2:<br/>展示對下列不等式性質的認識及應用以下性質:<br/>對於<math>x&gt;y, (a)x+c&gt;y+c(b) cx &gt; cy (c &gt; 0); cx &lt; cy (c &lt; 0)</math></p> <p>KS3-NA16-3: 由簡易的情境建立一元一次不等式</p> <p>KS3-NA16-4:<br/>解係數及常數均為整數的簡易一元一次不等式</p> <p>KS3-NA16-5: 在數線上表示如 <math>x &lt; -2, x &gt; 3</math> 等的數學語句, 以及將數線上不等式的解寫成數學語句</p> | <p>第三學習階段<br/>(中一—中三): 一元一次不等式 (2020年9月)</p> | <p>MC9T19N210 (中)<br/>MC9T18N210 (中)<br/>MC9BN2290 (低)<br/>MC9BN2270 (低)<br/>MC9T19N220 (低)<br/>MC9T18N220 (低)<br/>MC7000031R (低)<br/>MC90700571 (低)<br/>MC9T14N270 (低)<br/>MC9T19N530 (低)<br/>MC9T16N540 (中)<br/>MC9T14N600 (中)<br/>MC9BN4140 (低)<br/>MC90701311 (低)<br/>MC9T09N580 (高)<br/>MC9T19N230 (低)<br/>MC9T18N540 (低)<br/>MC9T16N250 (低)<br/>MC9T11N640 (中)<br/>MC9BN4220 (低)</p> | 20 | 20 | <p>KS3-NA16-5: 在數線上表示如 <math>x &lt; -2, x &gt; 3</math> 等的數學語句, 以及將數線上不等式的解寫成數學語句</p> <p><a href="https://wlts.edb.hkedcity.net/tc/mathematics/ks3/number_algebra_dimension/ks3_na16_5_f.html">https://wlts.edb.hkedcity.net/tc/mathematics/ks3/number_algebra_dimension/ks3_na16_5_f.html</a></p> |  |
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**STAR and WLTS Platforms – Preset Assessment Tasks and L&T Resources of Mathematics (September 2020)**

| STAR - Preset Assessment Papers |       |        |                                   |  |   |   |                     |          | WLTS Resources   |                   |
|---------------------------------|-------|--------|-----------------------------------|--|---|---|---------------------|----------|--|-------------------|
| Key Stage                       | Level | Strand | Learning Unit                     | Basic Competency Descriptor  | Task Name   | Task Code   | Number of Questions | Duration | Relevant L&T resources   | Interactive Games |
| 1                               | P1    | Number | 1N3 Numbers to 100                | KS1-N1-1 Demonstrate a recognition of places (units place to ten thousands place), involving reading, writing and ordering numbers up to 5 digits  | P1: 1N3 Numbers to 100 (recognise numbers 21-100, recognise the concepts of the units place and the tens place and compare the magnitude of numbers) (Sep 2020) | ME1BN1620 (L)<br>ME10000021 (L)<br>ME1BN1050 (L)<br>ME1BN0120 (L)<br>ME1BN0400 (L)<br>ME1BN0920 (L)<br>ME10000041 (H)<br>ME1BN034 (H)   | 8                   | 8        | KS1-N1-1 Recognize the place values: units, tens, hundreds, thousands and ten thousands<br><a href="https://wlts.edb.hkedcity.net/tc/mathematics/ks1/number/ks1_n1_1_f.html">https://wlts.edb.hkedcity.net/tc/mathematics/ks1/number/ks1_n1_1_f.html</a>   |                   |
| 1                               | P2    | Number | 2N2 Addition and subtraction (II) | KS1-N2-1 Perform addition and subtraction of three 3-digit numbers at most, and use the commutative and associative properties of addition (not involving using brackets, performing addition with carry in three steps and performing mixed operations)   | P2: 2N2 Addition and subtraction (II) (perform subtraction of not more than three numbers) (Sep 2020)   | ME2BN4100 (L)<br>ME2BN2021 (L)<br>ME2BN4010 (L)<br>ME2BN4020 (L)<br>ME2BN4050 (L)<br>ME2BN4070 (L)<br>ME2BN4061 (L)<br>ME2BN0050 (M)<br>ME2BN0030 (H)   | 9                   | 10       | KS1-N2-2 Perform subtraction (with numbers up to 3 digits)<br><a href="https://wlts.edb.hkedcity.net/tc/mathematics/ks1/number/ks1_n2_2_f.html">https://wlts.edb.hkedcity.net/tc/mathematics/ks1/number/ks1_n2_2_f.html</a>  |                   |
| 1                               | P3    | Number | 3N5 Mixed operation (I)           | KS1-N2-2 Perform subtraction (with numbers up to 3 digits)<br>KS1-N2-5 Perform mixed operations of: (a) Addition and subtraction (with numbers up to 3 digits, involving small brackets);(b) Multiplication and addition; (Multiplication with numbers not greater than 10; no brackets involved) (c) Multiplication and subtraction | P3: 3N5 Mixed operation (I) (use brackets - part 3) (Sep 2020)  | ME2BN1750 (L)<br>ME3T14N060 (L)<br>ME3BN3501 (L)<br>ME3T12N960 (L)<br>ME2BN1670 (L)<br>ME30500460 (L)<br>ME3T12NA00 (L)<br>ME3T17N630 (L)<br>ME30601440 (L)<br>ME3T08N680 (L)<br>ME3T10N710 (L) | 11                  | 14       | KS1-N2-2 Perform subtraction (with numbers up to 3 digits)<br><a href="https://wlts.edb.hkedcity.net/tc/mathematics/ks1/number/ks1_n2_2_f.html">https://wlts.edb.hkedcity.net/tc/mathematics/ks1/number/ks1_n2_2_f.html</a><br>尋寶之旅(加法)<br><a href="https://wlts.edb.hkedcity.net/filemanager/file/mathematics/tc/ks1/ks1n21/ks1-n2-1-f1-3/KS1-N2-1-f1-3.html">https://wlts.edb.hkedcity.net/filemanager/file/mathematics/tc/ks1/ks1n21/ks1-n2-1-f1-3/KS1-N2-1-f1-3.html</a><br>KS1-N2-5 Perform mixed operations of: (a) Addition and subtraction (with numbers up to 3 digits, involving small brackets);(b) Multiplication and addition; (Multiplication with numbers not greater than 10; no brackets involved) (c) Multiplication and subtraction<br><a href="https://wlts.edb.hkedcity.net/tc/mathematics/ks1/number/ks1_n2_5_f.html">https://wlts.edb.hkedcity.net/tc/mathematics/ks1/number/ks1_n2_5_f.html</a><br>尋寶之旅(減法)<br><a href="https://wlts.edb.hkedcity.net/filemanager/file/mathematics/tc/ks1/ks1n22/ks1-n2-2-f1-3/KS1-N2-2-f1-3.html">https://wlts.edb.hkedcity.net/filemanager/file/mathematics/tc/ks1/ks1n22/ks1-n2-2-f1-3/KS1-N2-2-f1-3.html</a> |                   |

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| 2 | P4      | Number             | Multiples and Factors    | KS2-N2-1 Understand the concepts of multiples and factors.  | P4: 4N3 Multiples and Factors (Understand the concepts of multiples and factors) (Sep 2020)         | ME4BN4191 (L)<br>ME6T19N540 (L)<br>ME4BN3681 (L)<br>ME4BN1390 (L)<br>ME4BN1340 (L)<br>ME4BN4380 (L)<br>ME4BN3640 (M)<br>ME6T13N650 (M)<br>ME60500930 (M)<br>ME6T14N020 (M)<br>ME4BN0010 (M)<br>ME4BN0050 (M)  | 12 | 11 | KS2-N2-1 Understand the concepts of multiples and factors.<br><a href="https://wlts.edb.hkcity.net/en/mathematics/ks2/number/ks2_n2_1_f.html">https://wlts.edb.hkcity.net/en/mathematics/ks2/number/ks2_n2_1_f.html</a>  | 倍Number互動練習<br><a href="https://wlts.edb.hkcity.net/filemanager/file/mathematics/tc/ks2/ks2n21/ks2-n2-1-f4-1/story_html5.html">https://wlts.edb.hkcity.net/filemanager/file/mathematics/tc/ks2/ks2n21/ks2-n2-1-f4-1/story_html5.html</a><br>因Number互動練習<br><a href="https://wlts.edb.hkcity.net/filemanager/file/mathematics/tc/ks2/ks2n21/ks2-n2-1-f6-1/story_html5.html">https://wlts.edb.hkcity.net/filemanager/file/mathematics/tc/ks2/ks2n21/ks2-n2-1-f6-1/story_html5.html</a> |
| 2 | P5      | Shape and Space    | The Eight Compass Points | KS2-S5-1 Recognize the eight compass points.  | P5: 5S1 The eight compass points (Recognize the eight compass points) (Sep 2020)                    | ME6T18S481 (L)<br>ME60701201 (L)<br>ME6T11S601 (L)<br>ME6T18S311 (L)<br>ME5BS2880 (M)<br>ME6T14S521 (M)<br>ME6T08S421 (M)<br>ME6T08S871 (M)   | 8  | 12 | KS2-S5-1 Recognize the eight compass points.<br><a href="https://wlts.edb.hkcity.net/en/mathematics/ks2/shape_space/ks2_s5_1_f.html">https://wlts.edb.hkcity.net/en/mathematics/ks2/shape_space/ks2_s5_1_f.html</a>  | 八個方向<br><a href="https://wlts.edb.hkcity.net/filemanager/file/mathematics/tc/ks2/ks2s51/ks2-s5-1-f4-1/swf/start.html">https://wlts.edb.hkcity.net/filemanager/file/mathematics/tc/ks2/ks2s51/ks2-s5-1-f4-1/swf/start.html</a>  |
| 2 | P6      | Number             | Decimals                 | KS2-N5-2 Perform the four operations involving whole numbers and decimals.  | P6: 6N1 Decimals (IV) (Perform the four operations involving whole numbers and decimals) (Sep 2020) | ME6BN2910 (L)<br>ME6BN0090 (L)<br>ME6T13NA50 (L)<br>ME6T16N880 (M)<br>ME6T19N610 (M)<br>ME6T10NB20 (M)<br>ME6T11NA90 (M)<br>ME5BN1900 (H)   | 8  | 11 | KS2-N5-2 Perform the four operations involving whole numbers and decimals.<br><a href="https://wlts.edb.hkcity.net/en/mathematics/ks2/number/ks2_n5_2_fa.html">https://wlts.edb.hkcity.net/en/mathematics/ks2/number/ks2_n5_2_fa.html</a>  |  |
| 3 | S1 - S3 | Number and Algebra | Directed numbers         | KS3-NA1-1: use positive numbers, negative numbers and zero to describe situations like profit and loss, floor levels relative to the ground level<br><br>KS3-NA1-2: demonstrate recognition of the ordering of integers on the number line<br><br>KS3-NA1-3: add, subtract, multiply and divide directed numbers (with at most 3 operations in each expression) | Key Stage 3 (S1 - S3): Directed numbers (Sep 2020)  | MC9T19N240 (L)<br>MC9T19N250 (L)<br>MC9T19N260 (L)<br>MC9T15N290 (L)<br>MC7000009R (L)<br>MC9T12N311 (L)<br>MC9BN1671 (L)<br>MC9T10N320 (L)<br>MC9T09N301 (L)<br>MC9T08N480 (L)<br>MC90600011 (M)<br>MC7000357R (M)<br>MC9T11N310 (M)<br>MC9T13N310 (M)<br>MC9T09N310 (M) | 15 | 16 | KS3-NA1-3: add, subtract, multiply and divide directed numbers (with at most 3 operations in each expression)<br><br><a href="https://wlts.edb.hkcity.net/tc/mathematics/ks3/number_algebra_dimension/ks3_na1_3_f.html">https://wlts.edb.hkcity.net/tc/mathematics/ks3/number_algebra_dimension/ks3_na1_3_f.html</a> | 括弧君的煩惱<br><a href="https://wlts.edb.hkcity.net/filemanager/file/mathematics/tc/ks3/ks3na13/start.html">https://wlts.edb.hkcity.net/filemanager/file/mathematics/tc/ks3/ks3na13/start.html</a>  |

|   |         |                    |                                    |  |  |   |    |    |   |  |
|---|---------|--------------------|------------------------------------|--|--|---|----|----|---|--|
| 3 | S1 - S3 | Number and Algebra | Rate and Ratio                     | <p>KS3-NA7-1: demonstrate recognition of the difference between rate and ratio</p> <p>KS3-NA7-2: represent a ratio in the form a : b (or ), a: b: c</p> <p>KS3-NA7-3: find the other quantity from a given ratio a : b and the value of either a or b (including similar calculations for the case of a : b : c)</p>   | Key Stage 3 (S1 - S3): Rate and Ratio (Sep 2020)                     | <p>MC9T19N040 (L)</p> <p>MC9T18N040 (L)</p> <p>MC9BN2481 (L)</p> <p>MC9T14N060 (L)</p> <p>MC9T19N050 (L)</p> <p>MC9T18N050 (L)</p> <p>MC7000337R (L)</p> <p>MC9BN1100 (L)</p> <p>MC9BN1110 (L)</p> <p>MC9BN3250 (M)</p> <p>MC9BN3241 (M)</p> <p>MC9BN3210 (M)</p> <p>MC9BN3200 (M)</p> <p>MC9T19N320 (M)</p> <p>MC9T18N320 (M)</p> <p>MC90600531 (M)</p> <p>MC9T11N380 (M)</p> <p>MC9T08N490 (M)</p>  | 18 | 21 | <p>KS3-NA7-3: find the other quantity from a given ratio a : b and the value of either a or b (including similar calculations for the case of a : b : c)</p> <p><a href="https://wlts.edb.hkedcity.net/tc/mathematics/ks3/number_algebra_dimension/ks3_na7_3_f.html">https://wlts.edb.hkedcity.net/tc/mathematics/ks3/number_algebra_dimension/ks3_na7_3_f.html</a></p> |  |
| 3 | S1 - S3 | Number and Algebra | Linear Inequalities in One Unknown | <p>KS3-NA16-2: demonstrate recognition of and apply the following properties of inequalities: For <math>x &gt; y</math>, (a) <math>x + c &gt; y + c</math> (b) <math>cx &gt; cy</math> (<math>c &gt; 0</math>); <math>cx &lt; cy</math> (<math>c &lt; 0</math>)</p> <p>KS3-NA16-3: formulate linear inequalities in one unknown from simple contexts</p> <p>KS3-NA16-4: solve simple linear inequalities in one unknown with integral coefficients and constants</p> <p>KS3-NA16-5: represent inequalities, such as <math>x &lt; -2</math>, <math>x &gt; 3</math>, etc., on the number line and vice versa</p> | Key Stage 3 (S1 - S3): Linear Inequalities in One Unknown (Sep 2020) | <p>MC9BN2290 (L)</p> <p>MC9BN2270 (L)</p> <p>MC9T19N220 (L)</p> <p>MC9T18N220 (L)</p> <p>MC7000031R (L)</p> <p>MC90700571 (L)</p> <p>MC9T14N270 (L)</p> <p>MC9T19N530 (L)</p> <p>MC9BN4140 (L)</p> <p>MC90701311 (L)</p> <p>MC9T19N230 (L)</p> <p>MC9T18N540 (L)</p> <p>MC9T16N250 (L)</p> <p>MC9BN4220 (L)</p> <p>MC9T19N210 (M)</p> <p>MC9T18N210 (M)</p> <p>MC9T16N540 (M)</p> <p>MC9T14N600 (M)</p> <p>MC9T11N640 (M)</p> <p>MC9T09N580 (H)</p> | 20 | 20 | <p>KS3-NA16-5: represent inequalities, such as <math>x &lt; -2</math>, <math>x &gt; 3</math>, etc., on the number line and vice versa</p> <p><a href="https://wlts.edb.hkedcity.net/tc/mathematics/ks3/number_algebra_dimension/ks3_na16_5_f.html">https://wlts.edb.hkedcity.net/tc/mathematics/ks3/number_algebra_dimension/ks3_na16_5_f.html</a></p>                  |  |