## Level 5 Homework booklet 1

## NAME

## TEACHER

| Task | Topic | Date <br> Set | Date <br> Completed | $\ddots$ | $\ddots$ |
| :---: | :--- | :---: | :--- | :---: | :---: |
| 1 | Calculating With All <br> Four Operations |  |  |  |  |
| 2 | Multiplying Dividing |  |  |  |  |
| 3 | Negative Numbers 1 |  |  |  |  |
| 4 | Negative Numbers 2 |  |  |  |  |
| 5 | Checking Order of <br> Magnitude |  |  |  |  |
| 6 | Place Value |  |  |  |  |
| 7 | Rounding and <br> Ordering |  |  |  |  |
| 8 | Ordering Decimals |  |  |  |  |
| 9 | Number Patterns and <br> Relationships |  |  |  |  |
| 10 | Simple Formulae |  |  |  |  |
| 11 | Nth term |  |  |  |  |

After you have completed each homework self-assess your understanding and the date you completed it

## My Maths

## Please see back cover for MyMaths tasks

## Parents

Please read note on back cover

| MyMaths |  | Assessment of Students Progress |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Numbers | Calculating | Algebra | Shape | Data |
| 6 | Frac Dec Perc 2 <br> Recurring Decimals 1 | Adding Subtrating Fractions Proportion Unitary Method Ratio Dividing 2 Multiply Divide Fractions Intro | Trial and Improvement <br> Conversion graphs <br> $y=m x+c$ <br> th Terming Linear <br> nth Term <br> Drawing Graphs <br> Real Life Graphs | Circumference of a Circl <br> Plans Elevations <br> Enlarging Shapes <br> Interior Exterior Angles <br> Nets Surface Area <br> Angles in Parallel Lines <br> Reflecting Shapes Rotating Shapes <br> All Transformations <br> Translating Shapes <br> Area of a Triangle <br> Angle Proofs <br> Sum of Angles in a Polygon | Grouping Data Listing Outcomes Drawing Pie Charts Two Way Table $\qquad$ |
| $5^{5}$ | Dedimal Places Rounding Deeimals Mutioly Dedimals by 10 and 10 Equivalent Fractions Comparing Fractions | Add and Subtract Decimals <br> Numbers <br> Multiply Decimals by <br> Whole Numbers <br> Fractions of Amocimals <br> Multiply Triple Digits <br> Percentages of Amounts 2 Proportion <br> Ratio Dividing <br> Long Division <br> Negative Numbers 2 <br> Order of Operations <br> Best Buys | Coordinates 2 <br> Rules and Formulae <br> Simplifying <br> Substitution <br> Single Brackets | MetricConversion <br> Angle Reasoning <br> Angle Sums <br> Constructing Triangles <br> Converting Measures Scale Finding Heights <br> Map Scales <br> Scale Drawing <br> imperial Measures | All averages Median and Range Reading Pie Charts Simple Probabilit |

Name:
Assessment Criteria: To use known facts, place value, knowledge of operations and brackets to calculate including using all 4 operations with decimals to two places

No calculators allowed!

1. a) Show that $9 \times 2.8$ is 25.2
b) What is the value of $27 \times 2.8$ ?
c) Calculate $252 \div 9$
2. Today, you can buy a basic calculator for $£ 1.27$. This is 18 times less than a similar calculator cost in In 1975. How much was the 1975 calculator?
£ $\qquad$
3. Complete the following statements:
a) $\frac{1}{2}$ of $20=\frac{1}{4}$ of $\qquad$
b) $\frac{3}{4}$ of $100=\frac{1}{2}$ of $\qquad$
4. Insert brackets to make the following calculation true:

$$
3+4 \times 6-5=7
$$

5. $\frac{3}{5}=0.6$. What is $\frac{2}{5}$ as a decimal?

Overall, I think my success level is:

| Low | High |
| :---: | :---: |
| $\bigcirc \bigcirc \bigcirc \bigcirc$ |  |

$\qquad$

| Q | CALCULATING WITH ALL FOUR OPERATIONS | $\odot$ | $*$ |
| :--- | :--- | :---: | :---: |
|  | I can use my understanding of place value in calculations |  |  |
|  | I can use factors to calculate without a calculator |  |  |
|  | I can use partitioning to calculate without a calculator |  |  |
|  | I understand the order of operations |  |  |
|  | I know how to use brackets |  |  |
|  | I can check results, considering whether these are reasonable |  |  |
|  | I can solve word problems from a range of contexts |  |  |
| I need to practise ... |  |  |  |

Name:
Assessment Criteria: Understand and use an appropriate non-calculator method for solving problems that involve multiplying and dividing any three digit number by any 2 digit number No calculators allowed, and remember - no workings, no marks!

1. Work out the following calculations:
a) $241 \times 15$
b) $692 \times 37$
c) $384 \div 16$
d) $864 \div 12$
e) $7.23 \times 9.6$

Overall, I think my success level is:

| Low | High |
| :---: | :---: |
| $\bigcirc \bigcirc \bigcirc \bigcirc^{\circ} \bigcirc{ }^{\circ} \mathrm{O}$ |  |


| Q | MULTIPLYING AND DIVIDING | $\odot$ | $*$ |
| :--- | :--- | :--- | :--- |
|  | I can multiply a three-digit number by a two-digit number without a <br> calculator |  |  |
|  | I can divide a three-digit number by a two-digit number without a calculator |  |  |
|  | I can use these skills and my understanding of place value to multiply and <br> divide with decimals |  |  |
|  | I can check results, considering whether these are reasonable |  |  |
| I need to practise ... |  |  |  |

Complete the following calculations. Show your working out.

1) $1.5 \times 6$
2) $7.6 \times 3$
3) $12.5 \times 7$
4) $28.7 \times 4$
5) $7.82 \times 3$
6) $20.56 x$
5
Level 5
7) Nine friends are going to Alton Towers.
(a) Individual tickets cost 17.93 each.
How much does it cost them altogether?
(b) A group ticket is priced at $£ 146.70$. How much will this cost them each?
Solve these questions, showing your working out.
8) $49.8 \div 2$
9) $83.4 \div 6$
10) $129.84 \div 4$
11) $74.79 \div 9$
12) $805.36 \div 8$
Level 5
13) $2 \div 0.2$
14) $4 \div 0.1$
15) $5 \div 0.2$
16) $3 \div 0.04$
17) $6 \div 0.05$

Name:
Assessment Criteria: Solve simple problems involving ordering, adding, subtracting negative numbers in context

1. The minimum temperature is 2 degrees below freezing on Tuesday
a) It falls by 6 degrees on Wednesday. What is the new temperature?
b) It rises by 12 degrees on Thursday. What is the final temperature?
2. The temperature at the summit of five mountains is measured on a day in February. Place them in order of temperature from lowest to highest.

| Snowdon | $-5^{\circ} \mathrm{C}$ | 1. |
| :--- | :--- | :--- |
| Ben Macdui | $-14^{\circ} \mathrm{C}$ | 2. |
| Scafell Pike | $3^{\circ} \mathrm{C}$ | 3. |
| Ben Nevis | $-11^{\circ} \mathrm{C}$ | 4. |
| Cadair Idris | $-1^{\circ} \mathrm{C}$ | 5. |

3. Write a number in each box to make the calculations correct.

4. Match the calculation to the correct answer:

| $-3-5$ |
| :---: |
| $3-5$ |
| $-3+5$ |
| $3+-5$ | | 2 |
| :---: |
| -2 |
| 8 |
| -8 |


| Overall, I think my success level is: | Low ○ |
| :--- | :---: |


| Q | NEGATIVE NUMBERS | (-) | * |
| :---: | :---: | :---: | :---: |
|  | I can order negative numbers in context |  |  |
|  | I can add negative numbers in context |  |  |
|  | I can subtract negative numbers in context |  |  |
|  | I can check results, considering whether these are reasonable |  |  |
|  | ed to practise ... |  |  |

## Section C

1) $4-2$
2) 5-6
3) 3-5
4) 2-4
5) $0-5$
6) $-1-3$
7) $-3-2$
8) $-2-6$
9) $-7-5$
10) $-4+8$
11) $-8+10$
12) $-3+1$
13) $-9+4$
14) $3--8$
15) $4--5$
16) $-3--9$

## Section D

Copy and complete the multiplication table below.

| $x$ | -3 | -2 | -1 | 0 | 1 | 2 | 3 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| -3 |  |  |  |  |  |  |  |
| -2 |  |  |  |  |  |  |  |
| -1 |  |  |  |  |  |  |  |
| 0 |  |  |  |  |  |  |  |
| 1 |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |

## 4) Magic square

Look at the three by three table.
Copy and fill in the missing numbers so that each row, column and

| -2 | $\ldots \ldots .$. | $\ldots \ldots$. |
| :---: | :---: | :---: |
| 3 | 1 | $\ldots \ldots \ldots$ |
| 2 | $\ldots \ldots \ldots$ | 4 | diagonal adds up to 3 .

9) Copy and complete the magic square,

| -2 | 5 | -3 |
| :---: | :---: | :---: |
|  |  |  |
|  | -5 | 2 |

10) Find the following percentage amounts,

Level 5 question - Here is a list of numbers:

$$
\begin{array}{llllllll}
-7 & -5 & -3 & -1 & 0 & 2 & 4 & 6
\end{array}
$$

You can choose some of the numbers from the list and add them to find their total. For example,

```
6 + -1, =-... 5
```

(a) Choose two of the numbers from the list which have a total of 31 mark
(b) Choose two of the numbers from the list which have a total of -1 1 mark
(c) Choose two other numbers from the list which have a total of 51 mark
(e) What is the total of all eight of the numbers on the list? 1 mark
3. Here is a list of numbers:
a) What is the total of all eight of the numbers on the list?
b) Choose the three numbers from the list which have the lowest possible total.
Write the three numbers and their total.
$\ldots . . .+\ldots . . .+\ldots . . .=$...... You must not use the same number more than once. 2 marks
Section A $\quad$ Level 5

Work out the answers to
a) - 3-6
b) $5 .-7$
c) $-4--3$
d) $-4+-6$

## Section B

Level 5

1) $25+-10$
2) $-1+{ }^{+19}$
3) $2-11$
4) $98-103$
5) $24-11$
6) ${ }^{+} 5-19$
7) $35-14$
8) $-17+-3$
9) $-15--2$
10) $11-8$
11) $38+29$
12) $-4-{ }^{-27}$
13) -7-12

Level 5 question - Write a number in each box to make the calculations correct.
a)

b)

2 marks

Level 6 question - Write the missing numbers in the table. The first row is done for you.

| First <br> number | Second <br> number |
| :---: | :---: |
| 3 | 6 |
| 5 | -3 |
| -8 |  |


| Sum of first <br> and second <br> numbers |
| :---: |
| 9 |
|  |
| -5 |


| Product of first <br> and second <br> numbers <br> 18 |
| :---: |

Name:
Assessment Criteria: Apply inverse operations and approximate to check answers to problems are of the correct magnitude.

1. Decide whether each of these approximations is correct. Show the ones you think are correct by circling them.

$$
\begin{array}{ll}
3.8 \times 7.1 \approx 40 & 41 \div 7.7 \approx 5 \\
0.93 \times 8.11 \approx 8 & 48 \% \text { of } 71.23 \approx 35 \\
29 \times 38 \approx 120 & 68 \div 32 \approx 100
\end{array}
$$

2. Choose two of the approximations you checked in question 1. Show how you worked out whether or not the approximation was correct.

A: $\qquad$

B: $\qquad$
3. Carrie uses a calculator to work out $34.2 \times 62.5=2137.5$, but she is concerned that she might have mis-pressed a button while working this out. She has 2137.5 on her screen. What is the quickest way for her to check if she is correct?
4. Circle the correct solution for each of the following calculations, writing down the estimation that helped you reach a conclusion.
$1.9^{2}:$
36.1
3.61
3.061
because
$63 \div 1.1$ :
57.2727...
69.333...
5.72727...
because


| Q | ORDER OF MAGNITUDE | $\ominus$ | $\ominus$ |
| :--- | :--- | :---: | :---: |
|  | I can identify and apply the inverse operation(s) to check the answer to a <br> calculation |  |  |
|  | I can choose and use an appropriate approximation to check the answer to a <br> calculation |  |  |
|  | I can check the order of magnitude of a solution |  |  |
|  | I can check results, considering whether these are reasonable |  |  |

I need to practise ...

Name:
Assessment Criteria: Use understanding of place value to multiply and divide whole number and decimals by 10, 100, 1000 and explain effect.

1. Chris writes ' $2 \times 10=20$, and $3 \times 10=30$, so $2.5 \times 10=2.50$ '. Is Chris correct? Explain your answer.
2. Hazel says, 'when you multiply a number by 100, the digits move two places to the left'.

Tim says, 'when you multiply a number by 100 , the decimal point jumps two places to the right'.

Who is correct?
3. Complete the spider diagram

4. Fill in the gaps in the following calculations:

$$
3 \div 10=
$$

$$
3 \div \_=0.03
$$

$0.3 \times 10=$ $\qquad$
$0.3 \times$ $\qquad$ $=300$
$0.3 \div 10=$ $\qquad$
$0.3 \div$ $\qquad$ $=0.003$

| Overall, I think my success level is: | Low O ○ O High |
| :--- | :--- |


| Q | PLACE VALUE | (1) | ( 2 |
| :---: | :---: | :---: | :---: |
|  | I can multiply whole numbers by 10, 100 and 1000 |  |  |
|  | I can divide whole numbers by 10, 100 and 1000 |  |  |
|  | I can multiply decimals by 10, 100 and 1000 |  |  |
|  | I can divide decimals by 10, 100 and 1000 |  |  |
|  | I understand the effect of multiplying and dividing by 10, 100 and 1000 |  |  |
|  | I can draw simple conclusions of my own and give an explanation of my reasoning |  |  |
|  | I can check results, considering whether these are reasonable |  |  |
|  | ed to practise ... |  |  |


| Section B |  |
| :--- | :--- | :--- |
| 1) Work out |  |
| a) $7.2 \times 1000$ b) $0.75 \times 100$ c) $36.4 \times 10$ <br> d) $27.2 \div 1000$ e) $15.1 \div 100$ f) $8.7 \div 10$ |  |

2) Copy and complete these calculations
a) $\qquad$ $\times 0.5=50$
b) $84 \div$ $\qquad$ $=0.084$
c) $103 \div$ $\qquad$ $=1.03$

## Section $C$

a) $7.2 \times 1000$
b) $0.75 \times 100$
f) $8.7 \div 10$


Assessment Criteria: Round decimals to the nearest decimal place and order negative numbers in context

1. Round each of the following numbers to the required number of places:
a) 2.637421 to 1 decimal places
b) 2.73762 to 2 decimal places
c) 3.44552 to 3 decimal places
d) 11.95 to 1 decimal places
2. Order the following temperatures from coldest to warmest

| Moscow, Russia | $7^{\circ} \mathrm{C}$ |
| :--- | ---: |
| Oymaykan, Russia | $-84^{\circ} \mathrm{C}$ |
| Vostok, Antartica | $-115^{\circ} \mathrm{C}$ |
| Rogers Pass, Montana, USA | $-54^{\circ} \mathrm{C}$ |
| Fort Selkirk, Canada | $-55^{\circ} \mathrm{C}$ |
| Northice, Greenland | $-12^{\circ} \mathrm{C}$ |
| Painswick, Gloucestershire, UK | $6^{\circ} \mathrm{C}$ |

3. Put a number in each box to make the statement true:


| Overall, I think my success level is: | Low 0 High |
| :--- | :---: |


| Q | ROUNDING AND ORDERING | $\odot$ | $\odot$ |
| :--- | :--- | :---: | :---: |
|  | I can round numbers to 1 decimal places |  |  |
|  | I can round numbers to 2 decimal places |  |  |
|  | I can round numbers to 3 decimal places |  |  |
|  | I can order negative numbers |  |  |
|  | I can show understanding of situations by describing them mathematically <br> using symbols, words and diagrams |  |  |
| I |  |  |  |

I need to practise ...
A) Round these to 1 decimal place (1dp)

1) 3.4785
= $\qquad$
2) $4.51=$ $\qquad$
3) 0.352 $\qquad$
4) 1.27373
5) 6.97192
= $\qquad$
6) 2.7192
$=$ $\qquad$
7) 5.1829
8) 0.08291
9) 12.3221
10) 3.7582
$\qquad$
$\qquad$
$=$ $\qquad$
$=$ $\qquad$
B) Round these to 2 decimal places (2dp)
11) 4.56283
12) 6.2875892
13) 1.2684
14) 32.482192
15) 0.475281
$=$
$=$ $\qquad$
$=$ $\qquad$
$=$ $\qquad$
$=$ $\qquad$
16) 1.2983
$=$ $\qquad$
17) 0.071
18) 1.2753
$=$ $\qquad$
19) 41.323132
20) 2.99653
 $\qquad$
C) Round these to the number of decimal placesgiven
21) 5.283 (2dp) $=$ $\qquad$
22) $0.871(1 \mathrm{dp})=$ $\qquad$
23) $9.812(2 \mathrm{dp})=$
24) $1.278(2 \mathrm{dp})=$
$\qquad$
$\qquad$
25) 21.72819 ( 1 dp )
$\qquad$
26) $3.2819(1 \mathrm{dp})=$ $\qquad$
27) $3.2419(2 \mathrm{dp})=$ $\qquad$
28) 0.95276 ( 1 dp )
$=$ $\qquad$
29) 2.19302 (2dp)
= $\qquad$
30) 3.957829 (3dp) $\qquad$

## TASK 8 Ordering Decimals

Write the following decimals in order, smallest to largest:
 7.128
3) $4.9,4.98,4.8,4.989,4.898$ 4) $9.1,9.01,9.101,9.0101,9.1101$ 5) 13.131, 1.3131, 131.31, 1.3113, 1.1313 6) 3.4115, 3.415, 3.45, 3.41115, 3.4

In these questions, don't include the numbers given when you calculate your answers. IIP: Draw a decimal number line to help you

1) How many 1 digit decimals are there between
i) 1.3 and 1.8
ii) 7.4 and 8.5
iii) 3.2 and 8.6
iv) 9 and 11
2) How many 2 digit decimals are there between
i) 6.42 and 6.49
ii) 3.04 and 4.16
iii) 1.9 and 2.0
iv) 3 and 3.5

## Decimal Unscramble

Find the larger number in each pair of decimals and write down its corresponding letter. Rearrange the letters to form a mathematical word.

| 1) |  |  |  | 2) |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| D | 0.09 | 0.9 | E | R | 1.5 | 1.15 | E |
| X | 0.4 | 0.72 | L | D | 2.5 | 2.55 | E |
| A | 0.54 | 0.5 | U | T | 2.7 | 2.8. | T |
| T | 0.6 | 0.32 | K | L | 3.13 | 3.3 | K |
| I | 0.5 | 0.65 | N | A | 4.2 | 4.03 | E |
| B | 0.38 | 0.7 | I | C | 4.65 | 4.7 | B |
| G | 0.43 | 0.4 | C | C | 4.63 | 4.6 | A |
| A | 0.52 | 0.7 | R |  |  |  |  |

Name:
Assessment Criteria: Recognise and use number patterns and relationships

1. Look at the 1 to 100 grid here. A pattern of numbers has been shown by shading the square in yellow.

Imagine the pattern was continued. Would the number 124 be shaded? Explain your answer.

2. Find two prime numbers that add together to make 98.
$\qquad$ and $\qquad$
3. Write down the next two numbers in each of these number patterns:
(a) $25,20,10,5$, $\qquad$ , $\qquad$
(b) $0.7,1.0,1.3,1.6$, $\qquad$ , $\qquad$
(c) $1,4,9,16$, $\qquad$ , $\qquad$
4. Use each of the numbers $1,2,3,4$ and 5 to correctly complete the following sentences:
$\qquad$ is a factor of $\qquad$
42 is a multiple of $\qquad$
$\qquad$ is a prime number
$\qquad$ is not a prime number
5. Fill in the gaps in these sequences:
(a) $0.1,0.3$, $\qquad$ , 0.7, $\qquad$ , $\qquad$ , 1.3
(b) $\qquad$ , 6, $\qquad$ , 12, $\qquad$ , $\qquad$

Overall, I think my success level is:

| Low | High |
| :---: | :---: |
| $\bigcirc \bigcirc \bigcirc$ |  |


| Q | NUMBER PATTERNS AND RELATIONSHIPS | $\theta^{(\cdot)}$ | $\cdot$ |
| :--- | :--- | :---: | :---: |
|  | I can recognise and use a number pattern |  |  |
|  | I can recognise and use prime numbers |  |  |
|  | I can recognise and use factors and multiples |  |  |
|  | I can continue number sequences | I can identify and obtain necessary information to carry through a task and <br> solve mathematical problems |  |
| I can draw simple conclusions of my own and give an explanation of my <br> reasoning |  |  |  |

I need to practise ...

1a) The rule to get the next number in this number chain is multiply by 4
then subtract 6 . Fill in the two missing numbers.
_ $6,18,66$,_
b) This number sequence has a different rule.

$$
2.7,5.4,10.8,21.6,43.2
$$

Write what that rule might be.

| 4) Investigation | Level 5 |
| :---: | :---: |
| Copy and complete this sequence: |  |
| 1, _, -_, 10, |  |
| How many different sequences can you find that will fit in? |  |
| 5) There are three different sequences jumbled up here: |  |
| $1,4,5,8,8,8,11,14,15,16,17,22,29,32,64$ |  |
| Find the three sequences. Describe them in words. |  |
| These clues may help: |  |
| The second term in each sequence is the same. |  |
| One of the sequences doubles each time. |  |
| One of the sequences adds 7 each time. |  |

Name:
Assessment Criteria: Construct, express in symbolic form, and use simple formulae involving one or more operations.

1. The following function machine adds 8 to any numbers that is input.

a) What is the output if the input is:
(i) 5
(ii) 7
b) What is the input if the output is:
(i) 26
(ii) 52
c) The input is now called $G$ and the output is now called $H$. Write a formula linking G and H .
2. Write a formula for, P , the perimeter of each of the following shapes. Write your answers in the simplest form.
a)

c
b)

c) If $x=6$ and $y=11$, what is the value of $P$ for the shape above?
$\qquad$
3. The following table lists three ways of constructing a formula for the perimeter $(P)$ of a rectangle. Match each way to the formula it gives.

L


Double the width, double the length, then add the answers together

Add the length and the width, then double the answer

Add the length to the width, to the length and then the width


| Q | SIMPLE FORMULAE | $(\cdot)$ | $(2)$ |
| :--- | :--- | :---: | :---: |
|  | I can understand the use of letters to represent numbers |  |  |
|  | I can construct simple formulae |  |  |
|  | I can substitute numbers into simple formulae |  |  |
|  | I can simplify simple formulae |  |  |
|  | I can multiply out brackets in simple cases |  |  |
|  | I can show understanding of situations by describing them mathematically <br> using symbols, words and diagrams |  |  |
| I need to practise ... |  |  |  |

Look at this sequence of patterns made with hexagons.


pattern number 2

patlem number 3
To find the number of hexagons in pattern number $n$ you can use these rules:

| Number of grey hexagons | $=$ | $n+1$ |
| :--- | :--- | :--- |
| Number of white hexagons | $=$ | $2 n$ |

## Task 11 Nth term

1) These are the $n^{\text {th }}$ terms of a number of sequences. For each sequence Level 5 write out the first five terms.
a) $n+4$
b) $n-1$
c) $n+3$
d) $n+12$
e) $7 n$
f) $3 n$
g) $3 n-2$
h) $4 n+7$
i) $2 n-2$
2) Sequences

Level 6
a) Match each ith term rule to its number sequence.


Number sequence

4, 7, 12, 19, ...
$(n+1)^{2}$
$4,8,12,16, \ldots$

$$
n^{2}+3
$$

$$
4,9,16,25, \ldots
$$

$n(n+3)$
$4,10,18,28, \ldots$
Write the first four terms of the number sequence using the nth term rule below.

4) You can make 'huts' with matches.


1 hut needs
5 matches


2 huts need 9 matches


3 huts need

A rule to find how many matches you need is $m=4 h+1$ $m$ stands for the number of matches and $h$ stands for the number of huts.
a) Use the rule to find how many matches you need to make 8 huts.
b) I use 81 matches to make some huts. How many huts do I make?

## MyMaths : Here are the MyMaths tasks for level 5.

Your teacher will instruct which of these to do.
Alternatively can use MyMaths to help with topics you are unsure of and to revise topics.

| Topic | How to find: Go to Library then |  |  | \% <br> Scored | Self Assessment |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Negative Numbers 2 | Number | $\rightarrow$ | Counting and Place Value |  | - | - | \% |
| Add and Subtract Decimals | Number | $\rightarrow$ | Decimals |  | -) | - | ( |
| Multiply Decimals by 10 and 100 | Number | $\rightarrow$ | Decimals |  | () | - | () |
| Multiply Decimals by Whole Numbers | Number | $\rightarrow$ | Decimals |  | () | ; | () |
| Multiply Two Decimals | Number | $\rightarrow$ | Decimals |  | () | - | $\bigcirc$ |
| Divide Decimals by Whole Numbers | Number | $\rightarrow$ | Decimals |  | () | - | () |
| Rounding Decimals | Number | $\rightarrow$ | Estimation and Accuracy |  | -) | - | $\bigcirc$ |
| Decimal Places | Number | $\rightarrow$ | Estimation and Accuracy |  | () | $\bigcirc$ | $\bigcirc$ |
| Multiply Triple Digits | Number | $\rightarrow$ | Multiply divide written |  | - | - | \% |
| Long Division | Number | $\rightarrow$ | Multiply divide written |  | () | - | (\%) |
| HCF | Number | $\rightarrow$ | Powers and Roots |  | - | - | $\bigcirc$ |
| LCM | Number | $\rightarrow$ | Powers and Roots |  | () | $\bigcirc$ | $\bigcirc$ |
| Rules and Formulae | Algebra | $\rightarrow$ | Expressions and Formulae |  | - | ; | \% |

## Parent note about this booklet

This booklet contains several level tasks available for homework along with MyMaths tasks. The teacher will instruct which level tasks students should complete each week.
Students can do extra MyMaths tasks not set by the teacher at any time It is not intended that the whole booklet should be completed as one homework.
The booklet must be kept safely and any lost booklets will require $£ 1$ for a new copy.

