



Tenbury High Ormiston Academy Maths Department

Stage 8 Home Learning project Spring term 2

| Name: | Deadlines: | |
|----------------|------------|--|
| Maths teacher: | | |
| LMG: | | |

If you have any problems with any of the tasks then please ask your class teacher or pop along to homework club on Tuesday, Wednesday or Thursday lunchtimes.

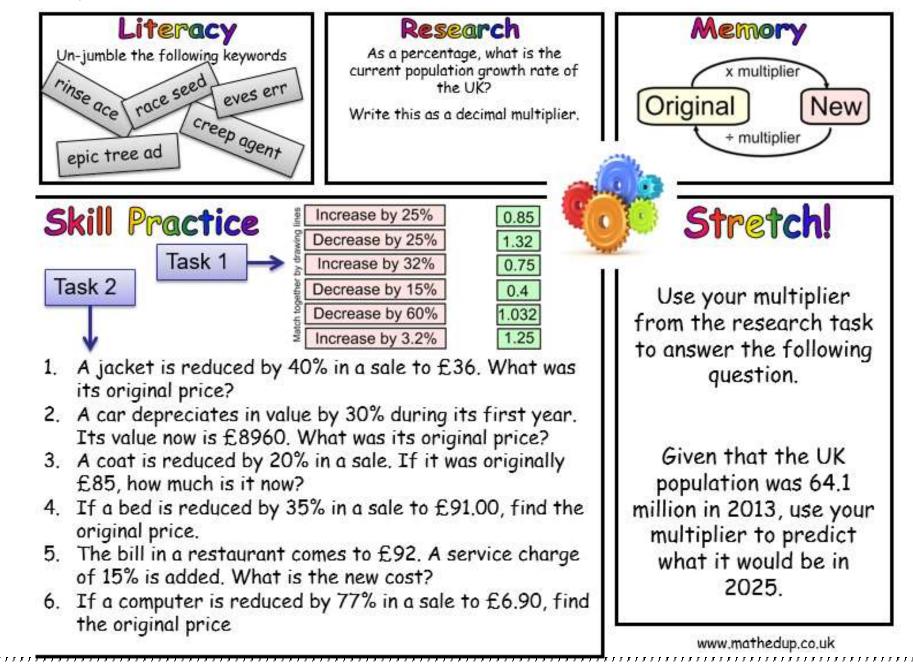
For assessment criteria please see the school websites new homework page. All tasks should be completed in your maths homework book.

Task 1: Mathematical definitions

Write a definition for each of the following terms and give an example where possible.

| Proportional reasoning | Calculating fractions, decimals and percentages |
|------------------------|---|
| Ratio | Proper fraction |
| Proportional | Improper fraction |
| Multiplier | Mixed number |
| Speed | Simplify, cancel, lowest terms |
| Unitary method | Percentage change |
| Units | Original amount |
| Compound unit | Simple interest |

TASK 2: Complete each of the tasks below.



Task 3: Computer based homework task

Using <u>www.corbettmaths.com</u> watch the following videos and answer the questions set in your homework book. You <u>must show all your working out.</u>

| Green | Amber | Red | Killer |
|----------------------|----------------------|-----------------------|------------------------|
| Textbook exercise | Textbook exercise | Textbook exercise | Textbook exercise |
| Workout questions: | Workout questions: | Workout questions: | Workout questions: |
| Q1 (a-d) | Q2 (a-d) | Q3 (a-d) | Q4 (a-d) |
| Q5 (a-d) | Q6 (a-d) | Q7 (a-d) | Q10 (g-j) |
| Q9 (a-d) | Q 10 (a-d) | Q 10 (e-h) | Q11a, Q12a, Q13a, Q14a |
| Apply questions: 1-4 | Apply questions: 5-8 | Apply questions: 9-12 | Apply questions: 13-16 |