# Year 3 Calculation Expectations
## 2x 3x 4x 5x 8x 10x
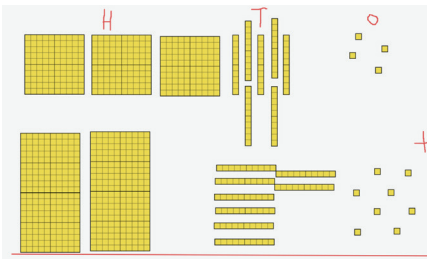
**SHEFFORD LOWER SCHOOL** · BELIEVE · ACHIEVE · SUCCEED ·

## ADDITION
- Add up to 3 digits using the column method
- Estimate and use inverse operations
- Solve problems

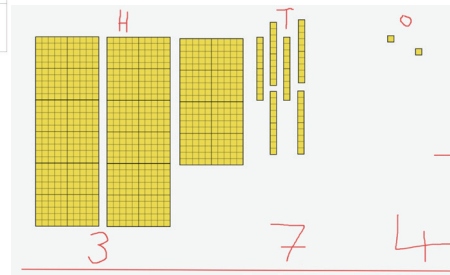| H | T | O |  |
|---|---|---|---|
| 3 | 7 | 4 | + |
| 4 | 8 | 8 |  |
| 8 | 6 | 2 |  |
| 1 | 1 |  |  |

| 862 | |
|---|---|
| 374 | 488 |

## SUBTRACTION
- Subtract up to 3 digits using the column method
- Estimate and use inverse operations
- Solve problems

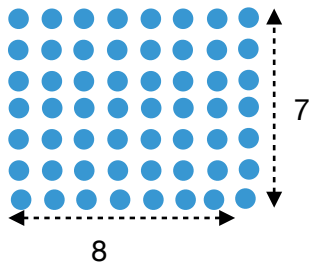| H | T | O |  |
|---|---|---|---|
| 7 8 | 15 6 | 1 2 | - |
| 3 | 7 | 4 |  |
| 4 | 8 | 8 |  |

| 862 | |
|---|---|
| 374 | 488 |

## RESOURCES

## MULTIPLICATION
- Write and calculate two-digit numbers times one-digit numbers progressing to formal written methods
- Solve positive integer scaling problems where n objects are connected to m objects.
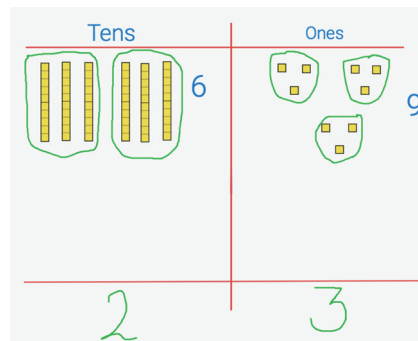
7

8

$7 \times 8 = 56$

| x | 90 | 3 |
|---|---|---|
| 4 | 360 | 21 |

360+
 21
381

| H | T | O |  |
|---|---|---|---|
|  | 9 | 3 | x |
|  |  | 4 |  |
|  | 3 | 7 | 2 |
|  |  | 3 | 1 |

## DIVISION
- Write and calculate mathematical statements for division using the multiplication tables progressing to formal written methods

Tens    Ones
6    9
2    3

$69 \div 3 = 23$

## LANGUAGE

| | | |
|---|---|---|
| Hundreds | Roman | Translations |
| Tens | Numerals | Perimeter |
| Ones | Estimation | Duration |
| Integer | Column/ar | Horizontal |
| Discrete | Operations | Vertical |
| Exchange | Scaling | Parallel |
| Place holder | Commutative | |
| Multiplier | Distributive | |
| Unit/non-unit | Equivalent | |
| Digit | Convert | |
| Multiples | Money | |
| More/less | Analogue | |
| Negative | Digital | |
| Compare | Discrete | |
| Round | Continuous | |