1.Answer the questions and shade in the answers from the boxes into the grid of numbers below.
2.If the answer appears twice in the grid there will be another question with that answer.
3. Colour one section for each answer.
4. Once you have you have shaded in all of your answers it will reveal a secret code.
5. Write down what you think the secret code is in the answer box.
6.If you have finished, try the extra activity at the bottom.


| 41954 | 2741 | 522 | 91 | 87 | 286 | 82 | 521 | 289 | 423 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 62904 | 90 | 178 | 520 | 266 | 143 | 552 | 2520 | 141 | 523 |
| 21272 | 179 | 144 | 145 | 41952 | 2524 | 41454 | 285 | 1064 | 555 |
| 269 | 2739 | 2329 | 2325 | 176 | 180 | 268 | 140 | 62900 | 1067 |
| 270 | 175 | 177 | 88 | 58546 | 272 | 6210 | 2328 | 21268 | 1533 |
| 1534 | 282 | 142 | 288 | 5859 | 421 | 420 | 2523 | 1530 | 2521 |
| 1532 | 2522 | 283 | 290 | 422 | 284 | 2743 | 2742 | 1065 | 2740 |

## Today's secret code is

$\square$
Extra Task: Make your own mini secret code
1.Decide on a set of digits or letters for your own code and shade the grid in so it resembles it.
2.Make up questions similar those to above and input the answers into the shaded sections.
3.Fill the blank sections in with numbers you haven't used.

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## Solution

| 1) $5 \times 35=$ | 175 | 13) $93 \times 63$ | 5859 |
| :---: | :---: | :---: | :---: |
| 2) $3 \times 47=$ | 141 | 14) $90 \times 69$ | 6210 |
| 3) $5 \times 84=$ | 420 | 15) $83 \times 33$ | 2739 |
| 4) $3 \times 96=$ | 288 | 16) $63 \times 40$ | 2520 |
| 5) $7 \times 38=$ | 266 | 17) $19 \times 56$ | 1064 |
| 6) $3 \times 30=$ | 90 | 18) $85 \times 18$ | 1530 |
| 7 ) $4 \times 67$ | 268 | 19) $75 \times 31$ | 2325 |
| 8) $8 \times 22=$ | 176 | 20) $456 \times 92$ | 41952 |
| 9) $4 \times 35=$ | 140 | 21) $94 \times 441$ | 41454 |
| 10) $8 \times 65=$ | 520 | 22) $74 \times 850$ | 62900 |
| 11) $6 \times 92=$ | 552 | 23) $818 \times 26$ | 21268 |
| 12) $3 \times 94=$ | 282 | 24) $73 \times 802$ | 58546 |


| 41954 | 2741 | 522 | 91 | 87 | 286 | 82 | 521 | 289 | 423 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 62904 | 90 | 178 | 520 | 266 | 143 | 552 | 2520 | 141 | 523 |
| 21272 | 179 | 144 | 145 | 41952 | 2524 | 41454 | 285 | 1064 | 555 |
| 269 | 2739 | 2329 | 2325 | 176 | 180 | 268 | 140 | 62900 | 1067 |
| 270 | 175 | 177 | 88 | 58546 | 272 | 6210 | 2328 | 21268 | 1533 |
| 1534 | 282 | 142 | 288 | 5859 | 421 | 420 | 2523 | 1530 | 2521 |
| 1532 | 2522 | 283 | 290 | 422 | 284 | 2743 | 2742 | 1065 | 2740 |



For similar secret code activities on other topics search for 'Mathtivities' and 'Secret Code' on tes.com. Or visit www.mathtivities.com for further engaging activities

