3:30-3:45 Warm up: Repeating patterns

* Ask ‘What is the next \_\_\_\_\_\_ in the pattern?’ bellow are some pictures of repeating patterns.
* Coaches could do hand motions/ emoji’s/ or numbers or letters in the chat to make repeating patterns
  + Abd, bce, cdf, deg…… clap, point, clap, clap, point, clap, point, clap, clap, point…….
  + Have the kids try to come up with their own repeating pattern

3:45-4:05 **Review**/**Practice:** 2 digit multiplication.

* Introduce the grid to the kids you can ask the students to get their own paper and pencils
* Example how to do it…. 23x17

|  |  |  |  |
| --- | --- | --- | --- |
| 23x17 | 10 + | 7 | 200  140  30  +21 |
| 20  + | 20x10  =200 | 20x7  =140 |
| 3 | 3x10  =30 | 3x7  =21 | 391 |

Practice soling 2 digit multiplication this way.

* Possible problems: 32x16, 68x23, 49x12, 43x21, 98x32, 46x57…….
* **On the last page is a blank grid**
* Encourage students to write it down for themselves

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| 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  | 20 | x | 10 | = | 200 |  |  |  | 20 | x | 7 | = | 140 |
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|  |  |  | 30 | x | 10 | = | 30 |  |  |  |  | 3 | x | 7 | = | 21 |
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Video review: <https://www.khanacademy.org/math/cc-fourth-grade-math/multiplying-by-2-digit-numbers/multiply-2-digit-numbers-with-area-models/v/area-model-for-multiplication>

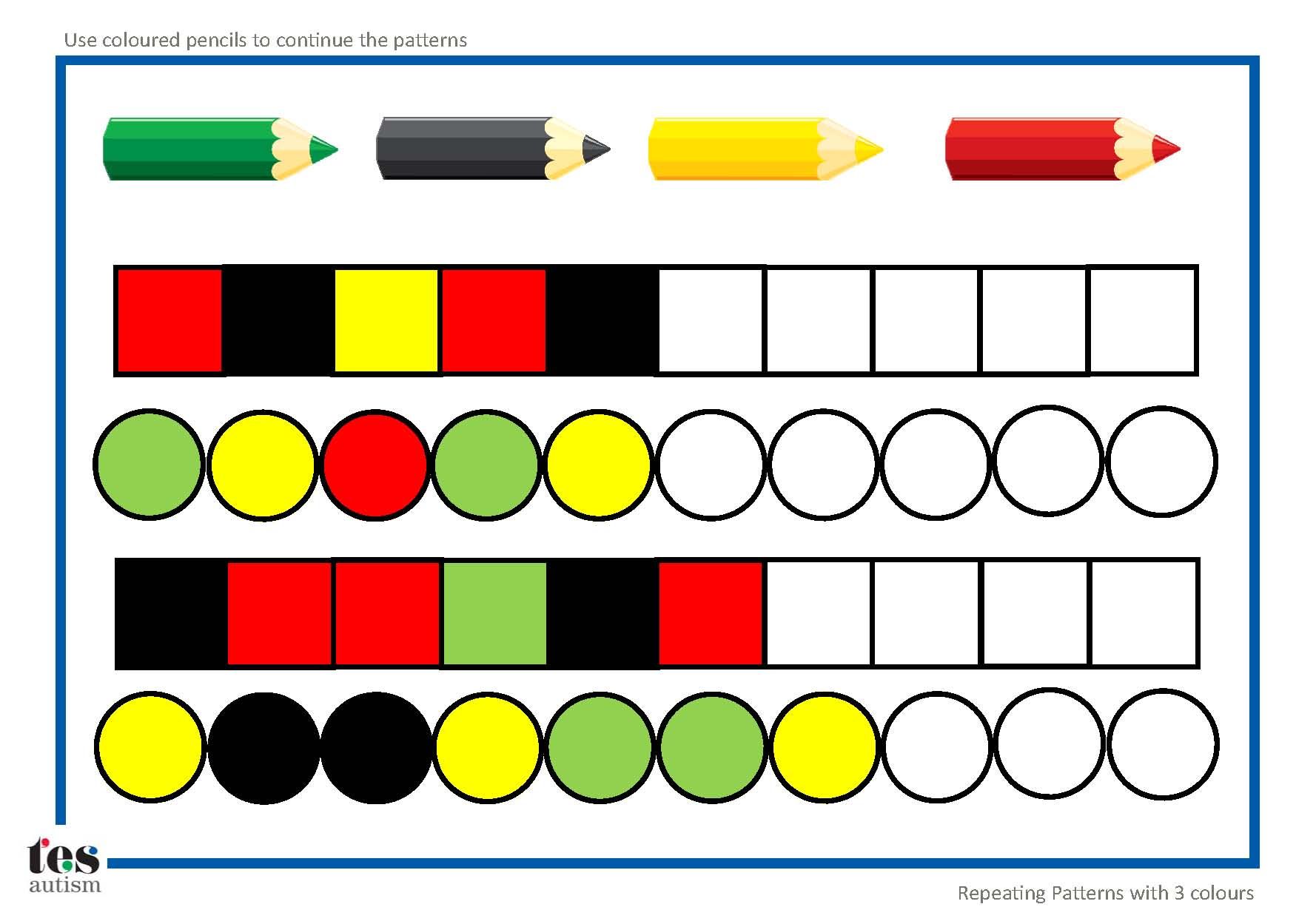
Practice problems: <https://www.khanacademy.org/math/cc-fourth-grade-math/multiplying-by-2-digit-numbers/multiply-2-digit-numbers-with-area-models/e/multiplying-2-digit-numbers-with-area-models?modal=1>

4:05-4:20 **Game**: Play Kahoot! Multiplication game:

* <https://kahoot.it/challenge/05234984?challenge-id=e21d906a-1678-4c6e-a9ee-5f26c1dc0f29_1613507509340>

4:20-2:30 **Wrap up**

Use this time to transition to the game or finish practicing the math problem.



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