



Fill in the Squares – Multiplication 1-20

Math Exercise Sheets, 8-10 years, 10min/sheet

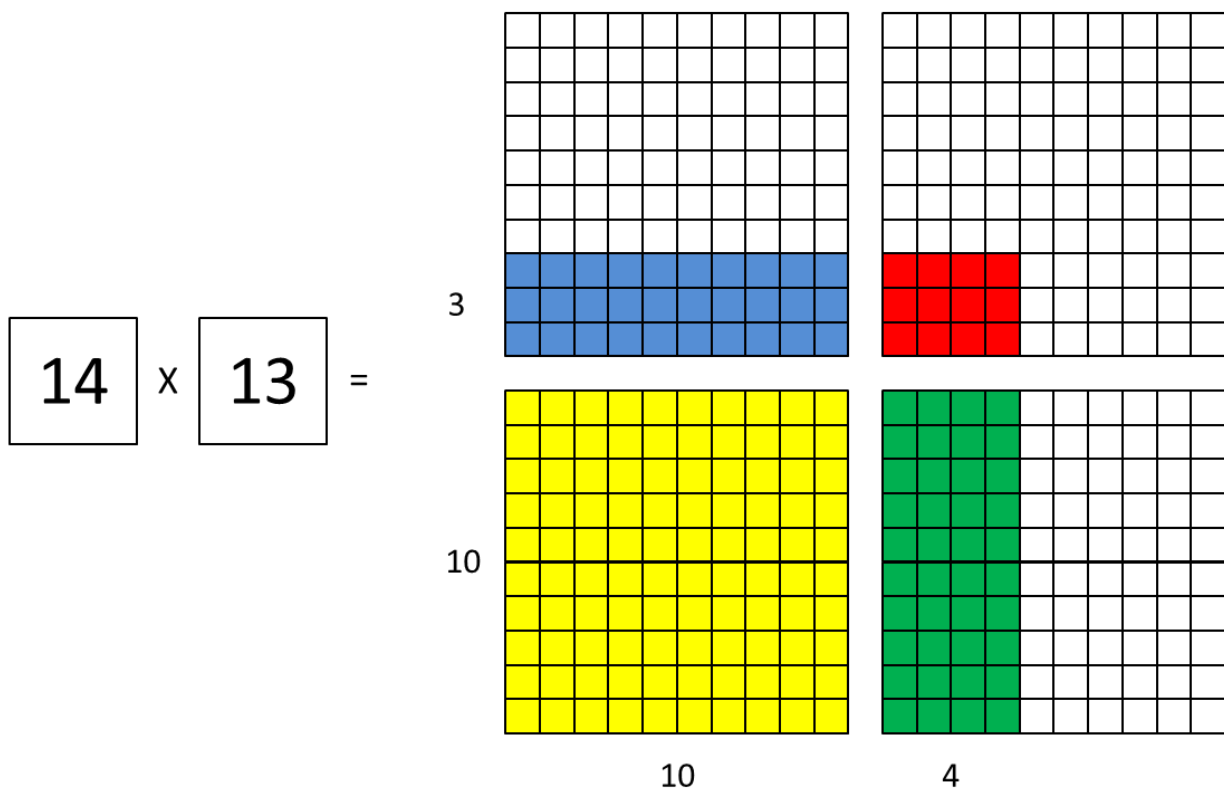
These exercises give the student a visual model for multiplying numbers between 10 and 20. Colors and the spacing between the grids make this visual model easy to remember. Coloring the squares makes multiplication more tangible both visually and kinesthetically. 10x10 grids are used here, and repeat exercise helps children to make the visual split in their minds more easily.

Math Exercise (8-10 years, 10 minutes)

EXAMPLE: Multiply the two numbers between 10 and 20

a) Fill in the numbers on the big boxes.

b) Color the small boxes.



$$\begin{aligned} &= 10 \times 10 + 10 \times 3 + 4 \times 10 + 4 \times 3 \\ &= 100 + 30 + 40 + 12 \\ &= 182 \end{aligned}$$

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Math Exercise (8-10 years, 10 minutes)

TASK: Multiply the two numbers between 10 and 20

a) Fill in the numbers on the big boxes.

b) Color the small boxes.

$$\boxed{12} \times \boxed{11} = \begin{array}{|c|c|} \hline \text{Grid} & \text{Grid} \\ \hline \end{array}$$

$$= \boxed{\text{Yellow}} + \boxed{\text{Blue}} + \boxed{\text{Green}} + \boxed{\text{Red}} = \boxed{}$$

$$\boxed{13} \times \boxed{11} = \begin{array}{|c|c|} \hline \text{Grid} & \text{Grid} \\ \hline \end{array}$$

$$= \boxed{\text{Yellow}} + \boxed{\text{Blue}} + \boxed{\text{Green}} + \boxed{\text{Red}} = \boxed{}$$

$$\boxed{14} \times \boxed{11} = \begin{array}{|c|c|} \hline \text{Grid} & \text{Grid} \\ \hline \end{array}$$

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Math Exercise (8-10 years, 10 minutes)

TASK: Multiply the two numbers between 10 and 20

a) Fill in the numbers on the big boxes.

b) Color the small boxes.

$$\boxed{15} \times \boxed{11} = \begin{array}{|c|c|} \hline \text{Grid} & \text{Grid} \\ \hline \text{Grid} & \text{Grid} \\ \hline \end{array}$$

$$= \boxed{\text{Yellow}} + \boxed{\text{Blue}} + \boxed{\text{Green}} + \boxed{\text{Red}} = \boxed{}$$

$$\boxed{16} \times \boxed{11} = \begin{array}{|c|c|} \hline \text{Grid} & \text{Grid} \\ \hline \text{Grid} & \text{Grid} \\ \hline \end{array}$$

$$= \boxed{\text{Yellow}} + \boxed{\text{Blue}} + \boxed{\text{Green}} + \boxed{\text{Red}} = \boxed{}$$

$$\boxed{17} \times \boxed{11} = \begin{array}{|c|c|} \hline \text{Grid} & \text{Grid} \\ \hline \text{Grid} & \text{Grid} \\ \hline \end{array}$$

$$= \boxed{\text{Yellow}} + \boxed{\text{Blue}} + \boxed{\text{Green}} + \boxed{\text{Red}} = \boxed{}$$



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Math Exercise (8-10 years, 10 minutes)

TASK: Multiply the two numbers between 10 and 20

a) Fill in the numbers on the big boxes.

b) Color the small boxes.

$$\boxed{18} \times \boxed{11} = \begin{array}{|c|c|} \hline \text{grid} & \text{grid} \\ \hline \text{grid} & \text{grid} \\ \hline \end{array}$$

$$= \boxed{\text{yellow}} + \boxed{\text{blue}} + \boxed{\text{green}} + \boxed{\text{red}} = \boxed{}$$

$$\boxed{19} \times \boxed{11} = \begin{array}{|c|c|} \hline \text{grid} & \text{grid} \\ \hline \text{grid} & \text{grid} \\ \hline \end{array}$$

$$= \boxed{\text{yellow}} + \boxed{\text{blue}} + \boxed{\text{green}} + \boxed{\text{red}} = \boxed{}$$

$$\boxed{12} \times \boxed{12} = \begin{array}{|c|c|} \hline \text{grid} & \text{grid} \\ \hline \text{grid} & \text{grid} \\ \hline \end{array}$$

$$= \boxed{\text{yellow}} + \boxed{\text{blue}} + \boxed{\text{green}} + \boxed{\text{red}} = \boxed{}$$

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Math Exercise (8-10 years, 10 minutes)

TASK: Multiply the two numbers between 10 and 20

a) Fill in the numbers on the big boxes.

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