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4.NBT.B.5 Multiply two 2-Digit Numbers Using Models

4.NBT.B.5 Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers

1. Kate saves 27 dimes a day. How many dimes does she saved in 12 days? Use a model to find out.

Solution:

2. In an Italian restaurant it costs about 13 dollars to have a dinner per person. How much does it cost to have dinner for 3 families, each having 4 persons?

Solution:

3. Use additional blank paper to draw multiplication models. Find the product.
   a. 14×35
   b. 23×17
   c. 35×26
   d. 21×24
   e. 26×11
   f. 17×33
   g. 32×16
   h. 25×28

Solution:

a.

b.

c.

d.

e.

f.

g.

h.

4. Mary waters her tomato plants with 11 cups of water every day. If she has 16 tomato plants, about how many cups of water does she use every day to water her plants? Use a multiplication model to solve the problem.

Solution:

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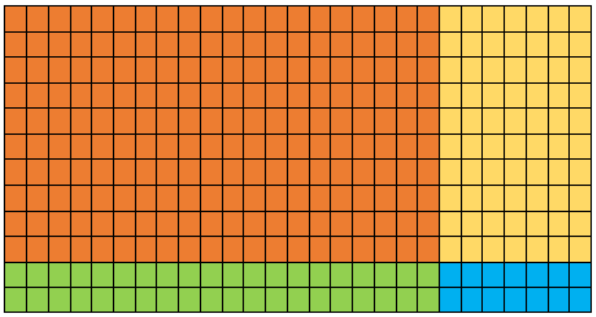
Answer Key

4.NBT.B.5 Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers

1. Kate saves 27 dimes a day. How many dimes does she saved in 12 days? Use a model to find out.

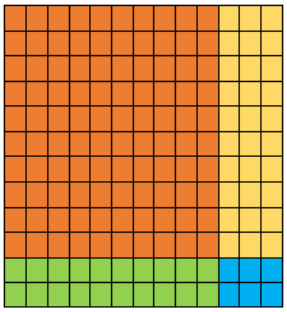
Solution: $27 \times 12 = 200 + 40 + 70 + 14 = 324$



2. In an Italian restaurant it costs about 13 dollars to have a dinner per person. How much does it cost to have dinner for 3 families, each having 4 persons?

Solution:

$13 \times 3 \times 4 = 13 \times 12 = 100 + 20 + 30 + 6 = \$156$



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   g. 32×16
   h. 25×28

Solution:

a. 490
b. 391
c. 910
d. 504
e. 286
f. 561
g. 512
h. 700

4. Mary waters her tomato plants with 11 cups of water every day. If she has 16 tomato plants, about how many cups of water does she use every day to water her plants? Use a multiplication model to solve the problem.

Solution:

176 cups