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1-digit by Multi-digit Multiplication

1. Complete the multiplication tables.

Example: 4 x 7 = 28 4 x 70 = 280 4 x 700 = 2,800 4 x 7,000 = 28,000	5 x 4 = 5 x 40 = 5 x 400 = 5 x 4,000 =	8 x 5 = 8 x 50 = 8 x 500 = 8 x 5,000 =	9 x 6 = 9 x 60 = 9 x 600 = 9 x 6,000 =
6 x 12 = 6 x 120 = 6 x 1200 = 6 x 12,000 =	9 x 7 = 9 x 70 = 9 x 700 = 9 x 7,000 =	3 x 11 = 3 x 110 = 3 x 1,100 = 3 x 11,000 =	9 x 4 = 9 x 40 = 9 x 400 = 9 x 4,000 =

2. Use facts and multiplication patterns to find the product.

a. 7 x 800
b. 9 x 30
c. 2 x 7,000
d. 8 x 500
e. 4 x 1,100
f. 6 x 7,000
g. 8 x 1,200
h. 12 x 3,000
i. 10 x 5,000
j. 5 x 4,000

Solution:
a.
b.
c.
d.
e.
f.
g.
h.
i.
j.

3. Hazel bought 3 crayon packs for $3 each. She also bought a pair of shoes for $16. How much money did she pay for crayon packs and a pair of shoes in cents?

Solution:

4. What is the value of *a* if 12 x *a* = 9,600?

a. 960
b. 800
c. 400
d. 240

Solution:

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1-digit by Multi-digit Multiplication

Answer Key

1. Complete the multiplication tables.

Example: 4 x 7 = 28 4 x 70 = 280 4 x 700 = 2,800 4 x 7,000 = 28,000	5 x 4 = 20 5 x 40 = 200 5 x 400 = 2,000 5 x 4,000 = 20,000	8 x 5 = 40 8 x 50 = 400 8 x 500 = 4,000 8 x 5,000 = 40,000	9 x 6 = 54 9 x 60 = 540 9 x 600 = 5,400 9 x 6,000 = 54,000
6 x 12 = 72 6 x 120 = 720 6 x 1200 = 7,200 6 x 12,000 = 72,000	9 x 7 = 63 9 x 70 = 630 9 x 700 = 6,300 9 x 7,000 = 63,000	3 x 11 = 33 3 x 110 = 330 3 x 1,100 = 3,300 3 x 11,000 = 33,000	9 x 4 = 36 9 x 40 = 360 9 x 400 = 3,600 9 x 4,000 = 36,000

2. Use facts and multiplication patterns to find the product.

a. 7 x 800
b. 9 x 30
c. 2 x 7,000
d. 8 x 500
e. 4 x 1,100
f. 6 x 7,000
g. 8 x 1,200
h. 12 x 3,000
i. 10 x 5,000
j. 5 x 4,000

a. 5,600
b. 270
c. 14,000
d. 4,000
e. 4,400
f. 42,000
g. 9,600
h. 36,000
i. 50,000
j. 20,000

3. Hazel bought 3 crayon packs for $3 each. She also bought a pair of shoes for $16. How much money did she pay for crayon packs and a pair of shoes in cents?

2,500 cents

4. What is the value of *a* if 12 x *a* = 9,600?

a. 960 c. 400
b. 800 d. 240

b