

Name \_\_\_\_\_

Date \_\_\_\_\_

## Multiplication 4 Digit (In Grid)- Guided Lesson Explanation

### Explanation#1

First we multiply 4 by 8535. So we get

8535

x 4

---

34140

Then we multiply 6 by 8535.

8535

x 64

---

34140

51210x "x" represents a 0 holding the tens' place.

Now we multiply 2 by 7675. So we get

8535

x 864

---

34140

51210x

68280xx "xx" represents a 00 holding the hundreds' place.

Now we multiply 5 by 8535. So we get

8535

x 5864

---

34140

61400x

15350xx

46050xxx "xxx" represents a 000 holding the thousands' place.

48245050

So the answer is: 48245050.



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## Explanation#2

First we multiply 5 by 6389. So we get

6389

   x 5

31945

Then We multiply 2 by 6389 .

6389

  x 25

31945

12778x     "x" represents a 0 holding the tens' place.

Now we multiply 4 by 6389. So we get

6389

 x425

31945

12778x

25556xx    "xx" represents a 00 holding the hundreds' place.

Now we multiply 6 by 6389. So we get

7675

x 6286

31945

12778x

25556xx

38334xxx     "xxx" represents a 000 holding the thousands' place.

41049325

So the answer is: 41049325



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### Explanation#3

First we multiply 3 by 7572. So we get

7572

x 3

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22716

Then We multiply 5 by 7572 .

7572

x 53

---

22716

37860x      "x" represents a 0 holding the tens' place.

Now we multiply 3 by 7572. So we get

7572

x353

---

22716

37860x

22716xx      "xx" represents a 00 holding the hundreds' place.

Now we multiply 6 by 7572. So we get

7572

x6353

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22716

37860x

22716xx

45432xxx      "xxx" represents a 000 holding the thousands' place.

48104916

So the answer is: 48104916

