

Name: ..... Class: .....

Use a rule to complete a number pattern



Complete the pattern below.

Rule: Divide by 10

a.

35,000

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b.

Rule: Multiply by 3

3

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c.

Rule: add 5

15

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d.

Rule: Subtract 7

250

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Name: ..... Class: .....

Use a rule to complete a number pattern



Complete the pattern below.

Rule: Divide by 10

a.

35,000	3,500	350	35
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To find the missing numbers, we need to use the rule which says 'divide by 10'

So, to get the answer in the second box we need to divide 35,000 by 10.

$35,000 \div 10 = 3,500$ , you see that box two has 3,500 as the next number.

To get box 3 we have to now divide 3,500 by the rule.

$3,500 \div 10 = 350$ . you see that box three has 350 as answer.

So, we keep dividing the number in each box by 10 which is the rule to get the next number.

b.

Rule: Multiply by 3

3	9	27	81	243	729
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To find the missing numbers, we need to use the rule which says 'multiply by 3'

So, to get the answer in the second box we need to multiply 3 by 3.

$3 \times 3 = 9$ , you see that box two has 9 as the next number.

To get box 3 we have to now multiply 9 by the rule.

$9 \times 3 = 27$ , you see that box three has 27 as answer.

So, we keep multiplying the number in each box by 3 which is the rule to get the next number.

c.

Rule: add 5

15	20	25	30	35	40
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15       $15 + 5 = 20$        $20 + 5 = 25$        $25 + 5 = 30$        $30 + 5 = 35$        $35 + 5 = 40$

d.

Rule: Subtract 7

250	243	236	229	222	215
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250       $250 - 7 = 243$        $243 - 7 = 236$        $236 - 7 = 229$        $229 - 7 = 222$        $222 - 7 = 215$

