

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

Number patterns mixed review

Fill in the missing number in the following sequence. Find the rule and tick the correct answer.

a. 2, 3, 5, \_\_\_\_\_, 9, 11, 13.

- 7       9       10       11

b. 7, 49, 343, 2,401, \_\_\_\_\_.

- 16,817       16,808       16,807       16,816

c. 79, \_\_\_\_\_, 73, 70, 67, \_\_\_\_\_.

- 64, 78       78, 65       76, 65       76, 64

d. 30,000, \_\_\_\_\_, 1,200, 240, 48.

- 5,000       6,000       7,000       8,000

e. 1, 9, 25, \_\_\_\_\_, 57, 73, \_\_\_\_\_.

- 41, 89       48, 226       289, 49       49, 216

f. 4, 16, 64, 256, 1,024, \_\_\_\_\_, \_\_\_\_\_.

- 4,096, 4,223       4,096, 16,384       16,384, 12,384       49, 216



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## Number patterns mixed review

Fill in the missing number in the following sequence. Find the rule and tick the correct answer.

a. 2, 3, 5, \_\_\_\_\_, 9, 11, 13.

The rule is *Add 1 then increase by 1 each time.*
 7     9     10     11

b. 7, 49, 343, 2,401, \_\_\_\_\_.

The rule is *multiply by 7.*
 16,817     16,808     16,807     16,816

c. 79, \_\_\_\_\_, 73, 70, 67, \_\_\_\_\_.

The rule is *Subtract 3.*
 64, 78     78, 65     76, 65     76, 64

d. 30,000, \_\_\_\_\_, 1,200, 240, 48.

The rule is *Divide by 5.*
 5,000     6,000     7,000     8,000

e. 1, 9, 25, \_\_\_\_\_, 57, 73, \_\_\_\_\_.

The rule is *Add 8, then increase by 8 each time.*
 41, 89     48, 226     289, 49     49, 216

f. 4, 16, 64, 256, 1,024, \_\_\_\_\_, \_\_\_\_\_.

The rule is *Multiply by 4.*
 4,096, 4,223     4,096, 16,384     16,384, 12,384     49, 216
