

Patterning: EQAO Task Cards (Multiple Choice)

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**Patterning: EQAO Task
Cards
(Multiple Choice)**

Tasks cards can be used for a variety of activities: bell work, exit slips, group and partner work, homework, *I'm Through...* activities, math centres, quiz questions, etc.

Which pattern has this rule:
decrease by subtracting the same
amount from each term?

- 20, 10, 5, 2.5, 1.25
- 20, 18, 16, 14, 12
- 20, 25, 30, 40, 45
- 20, 40, 80, 160, 320

#4, 2005

Which number best completes the pattern below?

2, 5, 11, 23, 47, 95, _____

- 142
- 190
- 191
- 192

#4, 2005

The following pattern increases by following this rule, multiply the previous term by 3 and add 1.

5, 16, 49, 149, ...

What is the next term in the sequence?

- 159
- 218
- 444
- 445

#16, 2006

A pattern is shown below. Each term increases by the same amount:

4, 41, 78, 115, 152, ...

What is the 9th term in the pattern?

- 226
- 263
- 300
- 337

#1, 2007

Which rule describes this numerical pattern?

17, 33, 65, 129, ...

To each term,

- Add 16 to get to the next term
- Subtract 16 to get to the next term
- Multiply by 2, and add 1 to get to the next term
- Multiply by 2, and subtract 1 to get to the next term

#24, 2008

In a hockey arena, the first row has 276 seats, the second row has 288 seats and the third row has 300 seats. Each row after this continues to increase by the same number. If the arena has a total of 6 rows, how many seats are in the arena?

- 1 836
- 1 176
- 972
- 312

#31, 2006

What is the missing term in the decreasing pattern below?

532, 515, _____, 481, 464

- 497
- 498
- 499
- 500

#6, 2008

The same number is added to each term in a pattern to get the value of the next term. Below are the fourth, fifth and sixth terms in the pattern.

... 95, 98, 101, ...

What are the first, second and third terms in the pattern?

- 83, 85, 87
- 83, 86, 89
- 86, 88, 92
- 86, 89, 92

#35, 2006

Consider the following pattern rule.

Triple each term to get to the next term.

Which pattern matches this rule?

- 0, 3, 9, 9, 12
- 0, 3, 9, 27, 81
- 1, 3, 9, 27, 81
- 1, 4, 7, 10, 13

#30, 2010

Consider the pattern below:

7, 14, 28, 56, _____, 224

What is the missing term in this pattern?

- 84
- 102
- 112
- 168

#1, 2011

Consider the pattern below:

1 161, 387, 129, 43

What is the pattern rule?

To get the next term.

- Divide each term by 3**
- Divide each term by 4**
- Subtract 86 from each term**
- Subtract 774 from each term**

#2, 2012

A pattern is shown below:

1, 2, 4, 8, ...

What rule best describes the pattern?

Start with 1 and ...

- Add 1 to get the next term
- Add 2 to get the next term
- Divide by 2 to get the next term
- Multiply by 2 to get to the next term

#1, 2014

A pattern is shown below.

64, 32, 16, 8, 4, ...

Which rule describes how to find the next term in the pattern?

- divide the previous term by 2
- divide the previous term by 4
- subtract 16 from the previous term
- subtract 32 from the previous term

#2, 2015

The first term of a pattern is 28
672. The pattern rule is “divide by 4
to get the next term.”

What is the 5th term?

- 28
- 112
- 448
- 7168

#7, 2016

Which of these patterns uses the rule “multiply by 2 and add 1” to get the next term?

- 1, 2, 4, 5, 10, ...
- 1, 2, 4, 8, 16, ...
- 1, 3, 7, 15, 31, ...
- 1, 4, 10, 22, 46, ...

#12, 2016

**Questions are compiled from
EQAO Junior Assessments.
Multiple choice numeric patterns.
If you are interested in more
information and questions please
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