

Process Standards Rubric

Algebra

Expectations Instructional programs from pre-kindergarten through grade 12 should enable all students to:	Exercise														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
GOAL 1: Problem Solving	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
GOAL 2: Reasoning & Proof	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
GOAL 3: Communication	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
GOAL 4: Connections	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
GOAL 5: Representation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
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Drill Sheet 1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Drill Sheet 2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Review A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Review B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Review C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

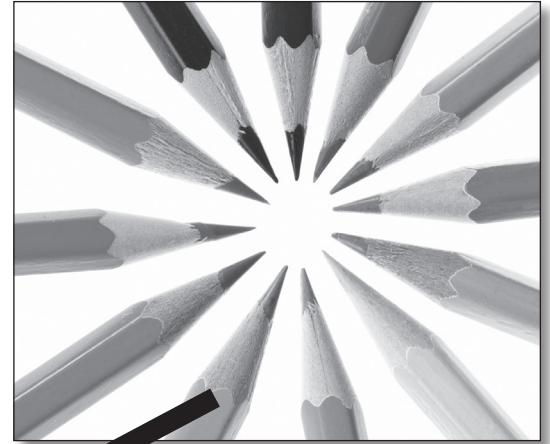


Task Sheet 7

7a) Jack has 32 pencil crayons. What is one way of putting these pencils into equal groups?

Circle the correct answer.

- i) 4 groups of 8
- ii) 6 groups of 6
- iii) 7 groups of 4
- iv) 9 groups of 4



b) Which set of numbers are counting backward by 5?

- i) 210, 200, 190, 180
- ii) 125, 120, 115, 110
- iii) 200, 175, 150, 125
- iv) 150, 148, 146, 144

c) Which number is missing from this pattern?

17, 20, ____, 26, 29

- i) 22
- ii) 21
- iii) 24
- iv) 23

d) Which is another way to show 3×5 ?

- i) $3 + 3 + 3$
- ii) $3 + 3 + 3 + 3 + 3$
- iii) $3 + 5 + 3 + 5$
- iv) $5 + 5 + 5 + 5$



Review C

a) The two number sentences below belong to a *fact family*.

$5 + 4 = 9$ and $9 - 4 = 5$

Which of the following pairs of number sentences belong to the same fact family as the one above?

- i) $5 + 9 = 14$ and $14 - 9 = 5$
- ii) $4 + 5 = 9$ and $9 - 5 = 4$
- iii) $5 - 4 = 1$ and $1 + 4 = 5$
- iv) $9 - 0 = 9$ and $9 - 9 = 0$

b) **Look at this pattern.**



How would you show this pattern using letters?

- i) AAB
- ii) ABA
- iii) ABB
- iv) BAB

c) **Jack has 28 baseball cards. What is one way of putting these cards into equal groups?**

- i) 4 groups of 7
- ii) 5 groups of 6
- iii) 3 groups of 8
- iv) 9 groups of 4

d) **Graph the figure below on the accompanying number line.**

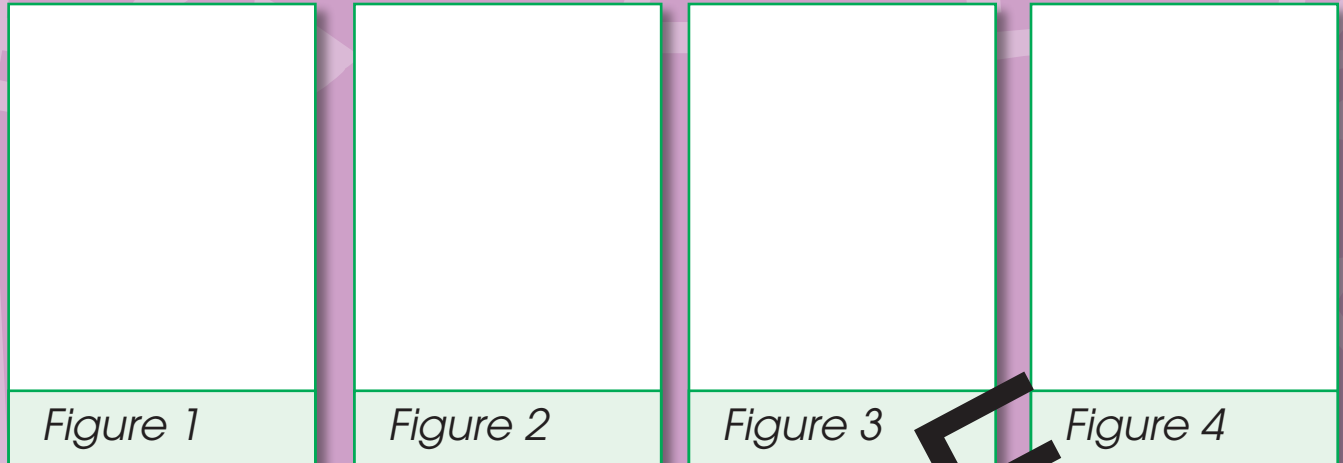
$x = -6$



Patterning, Graphing



a) The first four figures of a pattern are shown below.



Now complete the bar graph below to show the number of _____ in each figure.

