

Course: SAT ACT Prep

Lesson Number: 6

Subject: Mathematical Reasoning

Reference Number: 1006-7

Topic: Arithmetic

Subtopic: Evaluating Remainders

<https://youtube.com/c/MrMattTheTutor>

Document: Quick Drill A Resource



1) What is the quotient of the remainders of 79 and 123 when divided by 5?

<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

2) What is the product of the remainders of 167 and 193 when divided by 7?

<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

- 3) A landscaping job requires 1777.6 pounds of mulch. If each bag of mulch weighs 5.5 pounds, how many bags should be purchased to complete the job?

<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

- 4) A landscaping job has a budget of \$1,628.80 for mulching. If each bag of mulch weighs ten pounds and costs \$6.40 per bag, how many pounds of mulch are needed another whole bag cannot be purchased?

<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

5) Tickets to a private movie screening are handed out in the following order: 3 blue, 5 red, 2 green, 4 yellow, and then repeats starting with 3 blue and so on.

What color ticket will the 3000th person be handed?

- a) Blue
 - b) Red
 - c) Green
 - d) Yellow
- 6) Beads on a particular necklace are strung in the following order: 2 square beads, 5 round beads, 4 spiral beads, 6 barrel beads, and then repeats with 2 square beads and so on. What shape is the 500th bead to be strung?

- a) Square
- b) Round
- c) Spiral
- d) Barrel