

Grade 6 Mathematics Sample SR Item C1 TA

MAT.06.SR.2.000RP.D.181 C1 TA

Sample Item ID:	MAT.06.SR.2.000RP.D.181
Grade:	06
Claim(s):	<b>Claim 1: Concepts and Procedures</b> Students can explain and apply mathematical concepts and carry out mathematical procedures with precision and fluency.
Assessment Target(s):	1 A: Understand ratio concepts and use ratio reasoning to solve problems.
Content Domain:	Ratios and Proportional Relationships
Standard(s):	6.RP.3
Mathematical Practice(s):	1, 2
DOK:	2
Item Type:	SR
Score Points:	1
Difficulty:	M
Key:	D
Stimulus/Source:	
Target-Specific Attributes (e.g., accessibility issues):	
Notes:	

In art class, Marvin painted tiles to use for a project. For every 5 tiles he painted blue, he painted 8 tiles green.

Identify the equivalent ratio(s) of blue tiles to green tiles. Select all that apply.

- (A) 20:23
- (B) 40:25
- (C) 50:800
- (D) 60:96

*Key and Distractor Analysis:*

- A. Thought that any difference of 3 is equivalent.
- B. Reversed the ratio (green to blue)
- C. Saw the 5 and 8 and didn't pay attention to the place value.
- D. Key