

MAT.05.SR.1.000NF.F.257 C1 TF

Sample Item ID:	MAT.05.SR.1.000NF.F.257
Grade:	05
Claim(s):	Claim 1: Concepts and Procedures Students can explain and apply mathematical concepts and carry out mathematical procedures with precision and fluency.
Assessment Target(s):	1 F: Apply and extend previous understandings of multiplication and division to multiply and divide fractions.
Content Domain:	Number and Operations – Fractions
Standard(s):	5.NF.4, 5.NF.6
Mathematical Practice(s):	1, 2, 6
DOK:	2
Item Type:	SR
Score Points:	1
Difficulty:	H
Key:	C
Stimulus/Source:	
Target-Specific Attributes (e.g., accessibility issues):	Alternate symbols for students may be necessary for visually-impaired students.
Notes:	

At Montgomery Elementary, $\frac{3}{5}$ of the students in the fifth grade are 10 years old. Among the 10 year-old students, $\frac{2}{3}$ are girls.

In the diagrams below:



- represents a 10 year-old girl

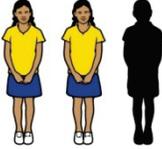


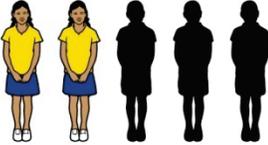
- represents a student who is not a 10 year-old girl

Which diagram represents the fraction of the fifth grade students who are 10 year-old girls at Montgomery Elementary?

(A)



(B) 

(C) 

(D) 

Key and Distractor Analysis:

- A. Doesn't understand multiplying fractions.
- B. One of the fractions.
- C. Key
- D. Shows 3 to 5 and 2 to 3.