

Directions: Answer the following question(s).

1 Find the product in SIMPLEST form:

$$\frac{5}{6} \cdot \frac{3}{4} =$$

- A. $\frac{15}{24}$
- B. $\frac{5}{8}$
- C. $\frac{8}{10}$
- D. $\frac{4}{5}$

Master ID:	3280250	Revision:	1
Correct:	B		
Rationale:	<ul style="list-style-type: none"> A. Student(s) may not have simplified the answer. B. Correct answer C. Student(s) may have added the numerator and denominator. Student(s) may not have understood multiplication and division of fractions. D. Student(s) may have added the numerator and denominator and then simplified. Student(s) may not have understood multiplication and division of fractions. 		
Rubric:	1 Point(s)		
Standards:	5.NF.B.4a		

2 Find the product in SIMPLEST form:

$$\frac{1}{4} \times \frac{4}{5} =$$

- A. $\frac{4}{20}$
- B. $\frac{1}{5}$
- C. $\frac{5}{16}$
- D. $\frac{5}{9}$

Master ID:	3279988	Revision:	1
Correct:	B		
Rationale:	<ul style="list-style-type: none"> A. Student(s) may have correct answer however student(s) may not have simplified the answer. B. Correct answer C. Student(s) may have solved problem as if it was a division problem. Student(s) may not understand multiplication and division of fractions. D. Student(s) may have added the numerator and denominator. Student(s) may not understand multiplication and division of fractions 		
Rubric:	1 Point(s)		
Standards:	5.NF.B.4a		

Directions: Answer the following question(s).

3 Find the product in SIMPLEST form:

$$\frac{6}{7} \times 5 =$$

- A. $1\frac{4}{7}$
- B. $\frac{6}{35}$
- C. $\frac{30}{7}$
- D. $4\frac{2}{7}$

Master ID: 3279694 Revision: 1
 Correct: D
 Rationale:
 A. Student(s) may have added the denominators and numerators together.
 B. Student(s) may have added the denominators and numerators together.
 C. Student(s) may have correct answer however student(s) may not have simplified the answer.
 D. Correct answer
 Rubric: 1 Point(s)
 Standards: 5.NF.B.4a

4 Which expression can be used to find the area of the shaded portion in the figure below?



- A. $\frac{2}{3} + \frac{2}{3}$
- B. $\frac{2}{3} \times \frac{2}{3}$
- C. $\frac{2}{3} \times \frac{2}{5}$
- D. $\frac{2}{5} \times \frac{2}{5}$

Master ID: 3247940 Revision: 1
 Correct: C
 Rationale:
 A. Student(s) may have thought the correct expression was to add the fractions represented in the first two columns. Student(s) may not have known it was necessary to multiply in order to find the shaded area of the entire figure.
 B. Student(s) may have thought the correct expression represented multiplication of the fractions in the first two columns.
 C. Correct answer
 D. Student(s) may have thought the correct expression represented multiplication of the fractions in the bottom two rows.
 Rubric: 1 Point(s)
 Standards: 5.NF.B.4c

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Web Only Interaction

Master ID: 3235531 Revision: 1
 Rubric: 1 Point(s)
 Standards: 5.NF.B.4c