Multiply Fractions by Fractions
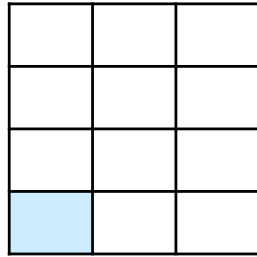
1a. True or false? The answer to the calculation is shaded below.

$$\frac{1}{3} \times \frac{1}{4} =$$
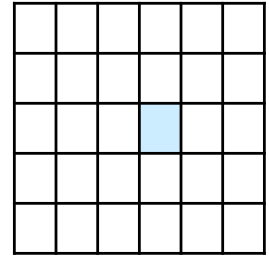
VF

2a. Which shaded representation correctly shows the answer to the calculation below?

$$\frac{1}{8} \times \frac{1}{2} =$$

A.

B.

VF

3a. Work out the answer to the question below.

What is $\frac{1}{3}$ multiplied by $\frac{1}{7}$?

VF

4a. Fill in the missing number so that the calculation below is correct.

$$\frac{1}{\Box} \times \frac{1}{8} = \frac{1}{24}$$

VF

Multiply Fractions by Fractions

1b. True or false? The answer to the calculation is shaded below.
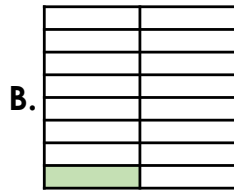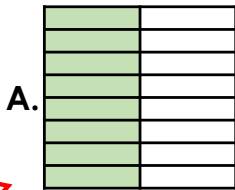
$$\frac{1}{5} \times \frac{1}{6} =$$

VF

2b. Which shaded representation correctly shows the answer to the calculation below?
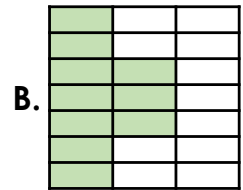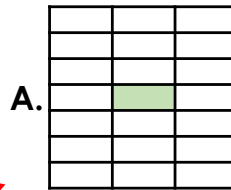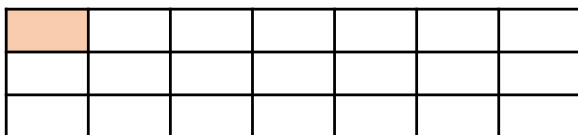
$$\frac{1}{7} \times \frac{1}{3} =$$

A.

B.

VF

3b. Work out the answer to the question below.

What is $\frac{1}{2}$ multiplied by $\frac{1}{9}$?
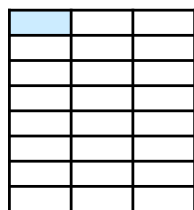
VF

4b. Fill in the missing number so that the calculation below is correct.

$$\frac{1}{6} \times \frac{1}{\Box} = \frac{1}{30}$$

VF

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Varied Fluency – Multiply Fractions by Fractions – Year 6 Developing

Multiply Fractions by Fractions

5a. True or false? The answer to the calculation is shaded below.

$$\frac{2}{3} \times \frac{9}{10} =$$

E   VF

Multiply Fractions by Fractions
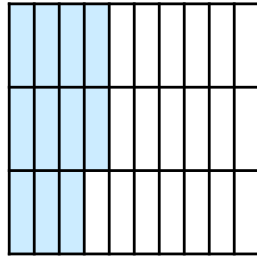
5b. True or false? The answer to the calculation is shaded below.

$$\frac{2}{5} \times \frac{7}{8} =$$
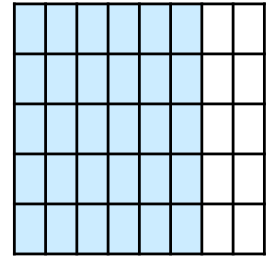
E   VF

6a. Which shaded representation correctly shows the answer to the calculation below?

$$\frac{2}{6} \times \frac{6}{7} =$$

A.   B.

E   VF

6b. Which shaded representation correctly shows the answer to the calculation below?

$$\frac{3}{4} \times \frac{2}{9} =$$

A.   B.

E   VF
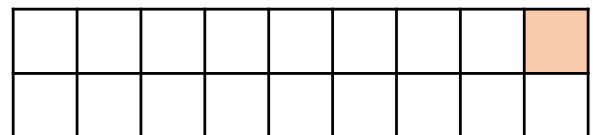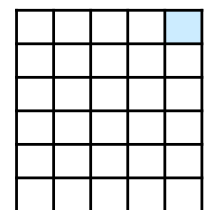
7a. Work out the answer to the question below. Give the answer in its simplest form.

What is $\dfrac{4}{5}$ multiplied by $\dfrac{5}{12}$?

E   VF

7b. Work out the answer to the question below. Give the answer in its simplest form.

What is $\dfrac{5}{6}$ multiplied by $\dfrac{9}{10}$?

E   VF

8a. Fill in the missing numbers so that the calculation below is correct.

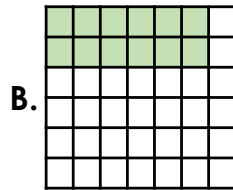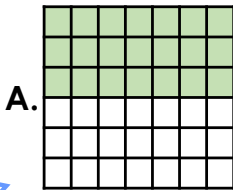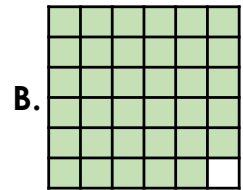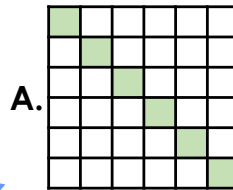$$\frac{\square}{11} \times \frac{2}{\square} = \frac{18}{44}$$

E   VF

8b. Fill in the missing numbers so that the calculation below is correct.

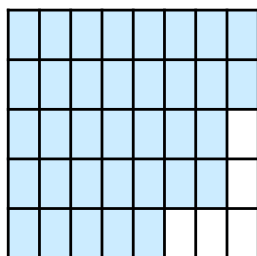$$\frac{\square}{12} \times \frac{4}{\square} = \frac{44}{60}$$

E   VF

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Varied Fluency – Multiply Fractions by Fractions – Year 6 Expected

Multiply Fractions by Fractions

9a. True or false? The answer to the calculation is shaded below.

$$\frac{5}{10} \times \frac{7}{4} =$$

GD — VF

Multiply Fractions by Fractions

9b. True or false? The answer to the calculation is shaded below.
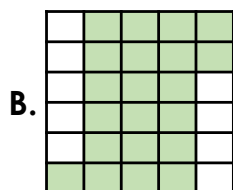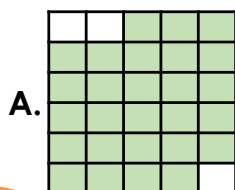
$$\frac{7}{6} \times \frac{4}{5} =$$
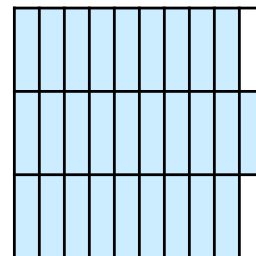
GD — VF

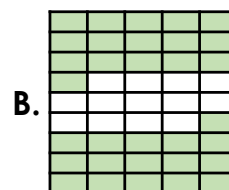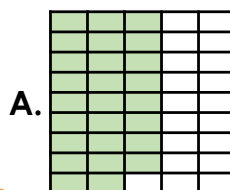**10a.** Which shaded representation correctly shows the answer to the calculation below?

$$\frac{9}{6} \times \frac{3}{5} =$$

A.   B.

GD — VF

10b. Which shaded representation correctly shows the answer to the calculation below?

$$\frac{8}{5} \times \frac{4}{9} =$$

A.   B.

GD — VF

11a. Work out the answer to the question below. Give the answer as a mixed number in its simplest form.

What is $\frac{11}{12}$ multiplied by $\frac{8}{4}$?

GD — VF

11b. Work out the answer to the question below. Give the answer as a mixed number in its simplest form.

What is $\frac{9}{11}$ multiplied by $\frac{5}{3}$?

GD — VF

12a. Fill in the missing numbers so that the calculation below is correct.

$$\frac{8}{9} \times \frac{\boxed{}}{7} = \frac{72}{63}$$

GD — VF

12b. Fill in the missing numbers so that the calculation below is correct.

$$\frac{7}{12} \times \frac{\boxed{}}{3} = \frac{70}{36}$$

GD — VF

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Varied Fluency – Multiply Fractions by Fractions – Year 6 Greater Depth

Varied Fluency
Multiply Fractions by Fractions

Developing

1a. **True**

2a. **B**

3a. $\dfrac{1}{21}$

4a. $\dfrac{1}{\boxed{3}} \times \dfrac{1}{8} = \dfrac{1}{24}$

Expected

5a. **False. The shaded fraction is $\dfrac{11}{30}$. It should be $\dfrac{18}{30}$.**

6a. **B**

7a. $\dfrac{1}{3}$

8a. $\dfrac{\boxed{9}}{11} \times \dfrac{2}{\boxed{4}} = \dfrac{18}{44}$

Greater Depth

9a. **True**

10a. **A**

11a. $\mathbf{1\dfrac{5}{6}}$

12a. $\dfrac{8}{9} \times \boxed{1}\dfrac{\boxed{2}}{7} = \dfrac{72}{63}$

Developing

1b. **True**

2b. **A**

3b. $\dfrac{1}{18}$

4b. $\dfrac{1}{6} \times \dfrac{1}{\boxed{5}} = \dfrac{1}{30}$

Expected

5b. **False. The shaded fraction is $\dfrac{30}{40}$. It should be $\dfrac{14}{40}$.**

6b. **A**

7b. $\dfrac{3}{4}$

8b. $\dfrac{\boxed{11}}{12} \times \dfrac{4}{\boxed{5}} = \dfrac{44}{60}$

Greater Depth

9b. **True**

10b. **B**

11b. $\mathbf{1\dfrac{4}{11}}$

12b. $\dfrac{7}{12} \times \boxed{3}\dfrac{\boxed{1}}{3} = \dfrac{70}{36}$

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Varied Fluency – Multiply Fractions by Fractions **ANSWERS**