

Homework

Multiply Fractions by Fractions

National Curriculum Objectives:

Mathematics Year 6: (6F2) Use common factors to simplify fractions; use common multiples to express fractions in the same denomination

Mathematics Year 6: (6F5a) Multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$]

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

Developing Circle the correct answer to the given calculation. All numerators are 1; pictorial support is given and the answer is less than one.

Expected Circle the correct answer to the given calculation. Numerators are any number; some pictorial support is given and the answer is less than one.

Greater Depth Circle the correct answer to the given calculation. Numerators are any number and a diagram is provided. Improper fractions and mixed numbers included.

Questions 2, 5 and 8 (Varied Fluency)

Developing Match three given calculations to their respective answers. All numerators are 1; pictorial support is given and all answers are less than one.

Expected Match three given calculations to their respective answers. Numerators are any number; some pictorial support is given and all answers are less than one.

Greater Depth Match three given calculations to their respective answers. Numerators are any number. Improper fractions and mixed numbers are included.

Questions 3, 6 and 9 (Reasoning and Problem Solving)

Developing Choose number cards to complete the given calculation. All numerators are 1; pictorial support is given and the answer is less than one.

Expected Choose number cards to complete the given calculation. Numerators are any number and the answer is less than one.

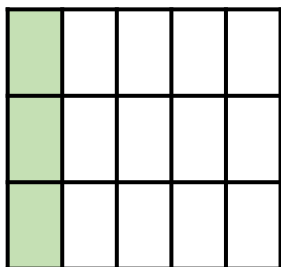
Greater Depth Choose number cards to complete the given calculation. Numerators are any number. Improper fractions and mixed numbers are included.

Multiply Fractions by Fractions

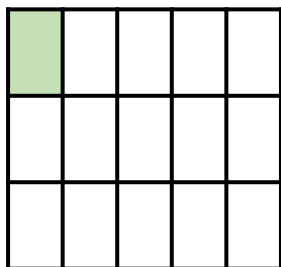
1. Circle the correct answer to the calculation below.

$$\frac{1}{5} \times \frac{1}{3} =$$

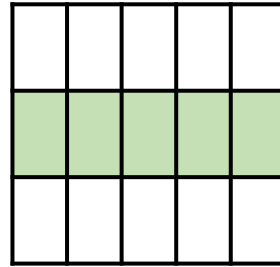
A.



B.



C.



VF
HW/Ext

2. Match the calculations to the correct answers.

A.

$$\frac{1}{3} \times \frac{1}{6} =$$

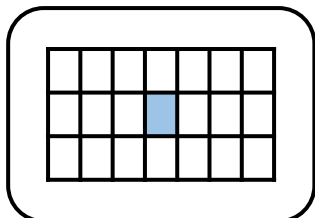
B.

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

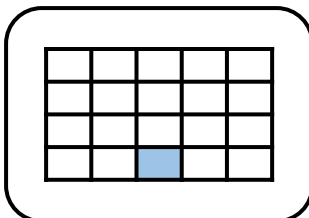
C.

$$\frac{1}{7} \times \frac{1}{3} =$$

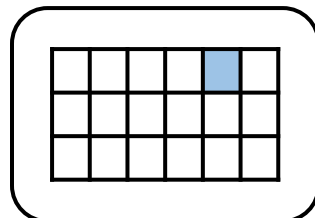
1.



2.

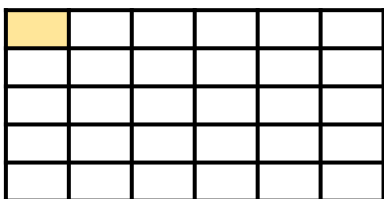


3.



VF
HW/Ext

3. Choose the correct number cards to complete the calculation below. Each number card can only be used once.

$$\frac{1}{\boxed{}} \times \frac{1}{\boxed{}} =$$


2

3

5

6

10

12



RPS
HW/Ext

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4. Circle the correct answer to the calculation below.

$$\frac{4}{7} \times \frac{5}{6} =$$

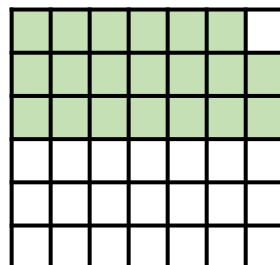
A.

$$\frac{24}{42}$$

B.

$$\frac{24}{35}$$

C.



VF
HW/Ext

5. Match the calculations to the correct answers.

A.

$$\frac{2}{3} \times \frac{7}{8} =$$

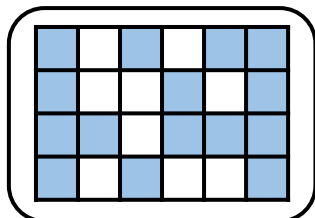
B.

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

C.

$$\frac{11}{12} \times \frac{7}{9} =$$

1.



2.

$$\frac{77}{108}$$

3.

$$\frac{7}{12}$$



VF
HW/Ext

6. Choose the correct number cards to complete the calculation below. Each number card can only be used once.

$$\frac{\boxed{}}{3} \times \frac{5}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$$

2

6

8

10

18

24



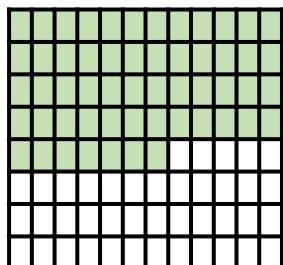
RPS
HW/Ext

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7. Circle the correct answer to the calculation below.

$$\frac{11}{12} \times 1\frac{3}{5} =$$

A.



B.

$$\frac{88}{55}$$

C.

$$1\frac{14}{30}$$



VF
HW/Ext

8. Match the calculations to the correct answers.

A.

$$\frac{4}{3} \times \frac{4}{5} =$$

B.

$$\frac{12}{7} \times \frac{8}{9} =$$

C.

$$\frac{3}{8} \times \frac{11}{6} =$$

1.

$$\frac{11}{16}$$

2.

$$\frac{16}{15}$$

3.

$$1\frac{11}{21}$$



VF
HW/Ext

9. Choose the correct number cards to complete the calculation below. Each number card can only be used once.

$$\frac{\boxed{}}{4} \times \frac{7}{\boxed{}} = 1\frac{\boxed{}}{\boxed{}}$$

1

3

5

15

20

21



RPS
HW/Ext

Homework

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Developing

1. **B**
2. **A. 3; B. 2; C. 1**
3. $\frac{1}{5} \times \frac{1}{6}$ or $\frac{1}{3} \times \frac{1}{10}$

Expected

4. **C**
5. **A. 3; B. 1; C. 2**
6. $\frac{2}{3} \times \frac{5}{6} = \frac{10}{18}$ or $\frac{2}{3} \times \frac{5}{8} = \frac{10}{24}$

Greater Depth

7. **C**
8. **A. 2; B. 3; C. 1**
9. $\frac{3}{4} \times \frac{7}{5} = 1 \frac{1}{20}$