Varied Fluency
Step 7: Add and Subtract Fractions

National Curriculum Objectives:

Mathematics Year 5: (5F4) Add and subtract fractions with the same denominator and denominators that are multiples of the same number
Mathematics Year 5: (5F2a) Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number [for example, 2/5 + 4/5 = 6/5 = 1 1/5]

Differentiation:

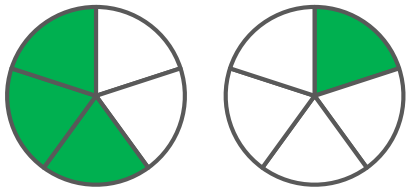
Developing Questions to support adding and subtracting fractions within one. Images included for support.
Expected Questions to support adding and subtracting fractions, where answers may be an improper fraction that need converting to a mixed number. Images included for support.
Greater Depth Questions to support adding and subtracting fractions, where answers may be an improper fraction that need converting to a mixed number. Fractions are simplified using knowledge of equivalent fractions. No images included.

More Year 5 and Year 6 Fractions resources.

Did you like this resource? Don't forget to review it on our website.

Add and Subtract Fractions

1a. True or false? The following calculation is correct.



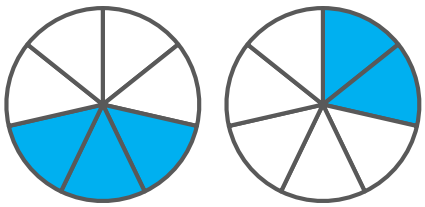
$\frac{3}{5} + \frac{1}{5} = \frac{4}{10}$

D

5 VF

Add and Subtract Fractions

1b. True or false? The following calculation is correct.

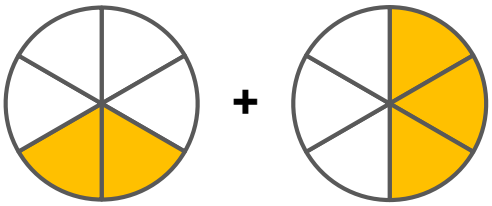


$\frac{3}{7} + \frac{2}{7} = \frac{5}{7}$

D

5 VF

2a. Match the image to the correct answer.

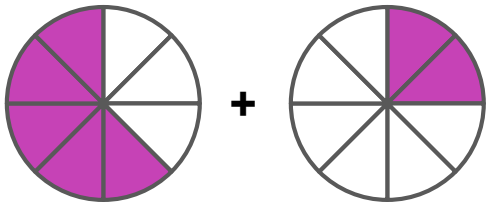


A) $\frac{5}{6}$ B) $\frac{7}{6}$ C) $\frac{5}{12}$

D

5 VF

2b. Match the image to the correct answer.

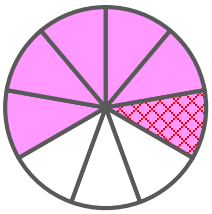


A) $\frac{9}{8}$ B) $\frac{7}{8}$ C) $\frac{7}{16}$

D

5 VF

3a. Calculate the following:

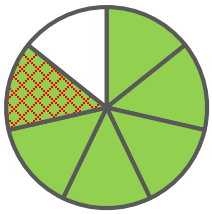


$\frac{6}{9} - \frac{1}{9} = \frac{\square}{\square}$

D

5 VF

3b. Calculate the following:



$\frac{6}{7} - \frac{1}{7} = \frac{\square}{\square}$

D

5 VF

4a. Jack drinks $\frac{3}{8}$ of his juice.

Asha drinks $\frac{4}{8}$ of her juice.

How much juice have they drunk altogether? Record your answer as a fraction.

D

5 VF

4b. Sam has $\frac{6}{10}$ of a pizza.

He eats $\frac{2}{10}$ of it.

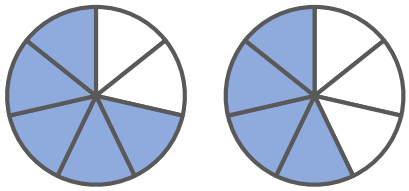
How much pizza does he have left? Record your answer as a fraction.

D

5 VF

Add and Subtract Fractions

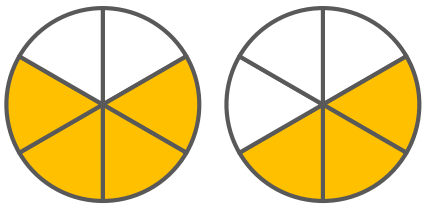
5a. True or false? The following calculation is correct.



$\frac{5}{7} + \frac{4}{7} = \frac{9}{7} = 1\frac{2}{7}$

E 5 VF

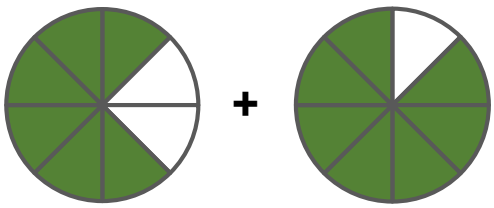
5b. True or false? The following calculation is correct.



$\frac{4}{6} + \frac{3}{6} = \frac{7}{6} = \frac{1}{6}$

E 5 VF

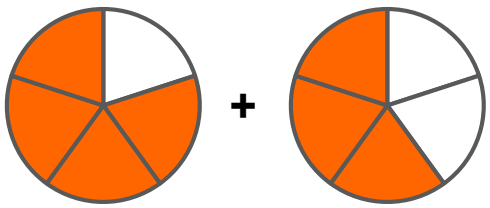
6a. Match the image to the correct answer.



A) $2\frac{5}{8}$ B) $1\frac{5}{8}$ C) $2\frac{5}{16}$

E 5 VF

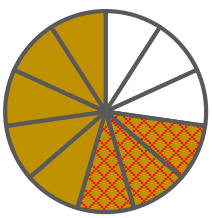
6b. Match the image to the correct answer.



A) $1\frac{7}{5}$ B) $2\frac{2}{5}$ C) $1\frac{2}{5}$

E 5 VF

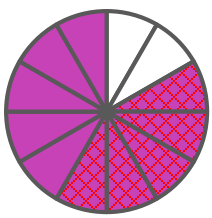
7a. Calculate the following:



$\frac{8}{11} - \frac{3}{11} = \frac{\square}{\square}$

E 5 VF

7b. Calculate the following:



$\frac{10}{12} - \frac{5}{12} = \frac{\square}{\square}$

E 5 VF

8a. Marni eats $\frac{4}{9}$ of her chocolate bar.

Tammy eats $\frac{7}{9}$ of her chocolate bar.

How much chocolate have they eaten altogether? Record your answer as a mixed number.

E 5 VF

8b. Laura is allowed to watch TV for $\frac{9}{11}$ of her free-time.

She has already watched TV for $\frac{3}{11}$ of her time.

How much of her free-time does she have left to watch TV? Record your answer as a fraction.

E 5 VF

Add and Subtract Fractions

9a. True or false? The following calculation is correct.

$$\frac{5}{6} + \frac{3}{6} = \frac{8}{6} = 1\frac{1}{3}$$

GD 5 VF

Add and Subtract Fractions

9b. True or false? The following calculation is correct.

$$\frac{5}{9} + \frac{7}{9} = \frac{12}{9} = 1\frac{1}{9}$$

GD 5 VF

10a. Match the calculation to the correct answer.

$$\frac{8}{12} + \frac{6}{12}$$

A) $\frac{2}{12}$ B) $\frac{14}{24}$ C) $1\frac{1}{6}$

GD 5 VF

10b. Match the calculation to the correct answer.

$$\frac{6}{8} + \frac{4}{8}$$

A) $1\frac{1}{4}$ B) $\frac{2}{8}$ C) $\frac{10}{16}$

GD 5 VF

11a. Complete the calculation below and simplify your answer.

$$\frac{7}{8} - \frac{3}{8} = \frac{\square}{\square}$$

GD 5 VF

11b. Complete the calculation below and simplify your answer.

$$\frac{11}{12} - \frac{8}{12} = \frac{\square}{\square}$$

GD 5 VF

12a. Chesney does $\frac{5}{6}$ of her homework.

Shania does $\frac{4}{6}$ of her homework.

How much homework have they completed altogether? Record your answer as a simplified mixed number.

GD 5 VF

12b. Luke is given $\frac{8}{9}$ of a drink.

He drinks $\frac{5}{9}$ of it.

How much drink does he have left? Record your answer as a simplified fraction.

GD 5 VF

Varied Fluency
Add and Subtract Fractions

Developing

1a. False. $\frac{4}{5}$ is correct.

2a. A

3a. $\frac{5}{9}$

4a. $\frac{7}{8}$

Expected

5a. True

6a. B

7a. $\frac{5}{11}$

8a. $1\frac{2}{9}$

Greater Depth

9a. True

10a. C

11a. $\frac{1}{2}$

12a. $1\frac{1}{2}$

Varied Fluency
Add and Subtract Fractions

Developing

1b. True

2b. B

3b. $\frac{5}{7}$

4b. $\frac{4}{10}$

Expected

5b. False. $1\frac{1}{6}$ is correct.

6b. C

7b. $\frac{5}{12}$

8b. $\frac{6}{11}$

Greater Depth

9b. False. The simplified answer is $1\frac{1}{3}$

10b. A

11b. $\frac{1}{4}$

12b. $\frac{1}{3}$