



YR6 PROGRESSION IN MASTERY LESSON PACK - ADD AND SUBTRACT FRACTIONS 2

FLUENCY 1

Complete the stem sentence.

When we add and subtract fractions with denominators that are not multiples of each other, we find the _____ of both fractions' _____.

FLUENCY 2

Use the bar models to calculate these fractions.

$$\frac{3}{5} + \frac{2}{6} = \frac{\quad}{30} + \frac{\quad}{30} = \frac{\quad}{30}$$



$$\frac{2}{3} - \frac{2}{8} = \frac{\quad}{24} - \frac{\quad}{24} = \frac{\quad}{24}$$



FLUENCY 3

Find the lowest common denominator and calculate..

$$\frac{1}{3} + \frac{2}{5} = \frac{\quad}{\quad} + \frac{\quad}{\quad} = \frac{\quad}{\quad}$$

$$\frac{3}{4} - \frac{6}{9} = \frac{\quad}{\quad} - \frac{\quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$$

FLUENCY 4

Millie is cutting this rope into pieces.



First, she cuts $\frac{2}{5}$ then she cuts another $\frac{4}{7}$.

How much rope has she used altogether?

What fraction of the rope is left?

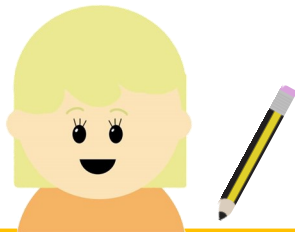




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REASONING 1

Spot Jane's mistakes



$$\frac{2}{3} - \frac{3}{11} = \frac{22}{33} - \frac{6}{33} = \frac{16}{33}$$

REASONING 2

True or False?

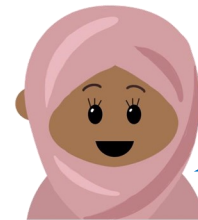
This bar model shows the calculation..

$$\frac{1}{3} - \frac{1}{4} = \frac{7}{12}$$



REASONING 3

Convince Me.

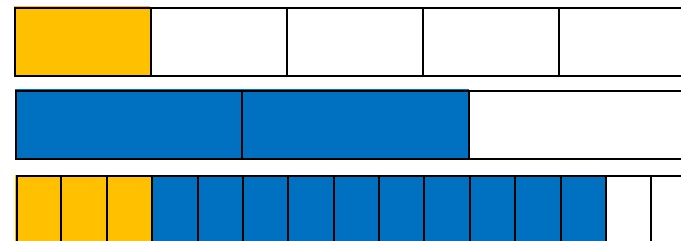


I can multiply the denominators together to find a common multiple.

REASONING 4

Use the bar models to work out the fractions.

$$\text{---} + \text{---} = \text{---}$$



Explain your reasoning.

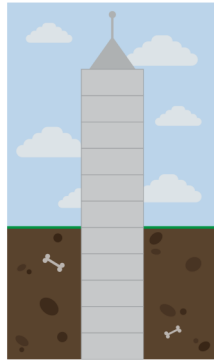




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PROBLEM SOLVING 1

A tower was built in 5 days!



Complete the table.

Day 1	$\frac{2}{9}$
Day 2	$\frac{1}{7}$
Day 3	$\frac{1}{9}$
Day 4	$\frac{?}{7}$
Day 5	

Is there more than one possible answer?

PROBLEM SOLVING 2

New train lines are being laid to link New Town and Old Town.

The distance between the towns is 23 km.



Monday - Friday, $\frac{3}{5}$ of a kilometre of track is laid in total.

At the weekend only $\frac{1}{3}$ of a kilometre of track is laid.

How many full weeks will it take to complete the track.

