RECALL – NUMBER FLUENCY WITHIN 20

•	? + 7 = 11	? + 9 = 12	5 + ? = 15	3 + ? = 9	9 + ? = 16
• •	6 • ? = 16	? + 2 = 11	10 • ? = 18	? + 6 = 12	? + 8 = 13
• • •	9 + ? = 17	7 + ? = 14	? + 5 = 12	11 + ? = 18	8 + ? = 17
• • • •	? + 6 = 13	? + 10 = 20	? • 5 = 11	4 + ? = 13	? • 5 = 14
• • • • •	2 + ? = 10	9 + ? = 18	? + 15 = 20	? • 7 = 16	6 + ? = 13
• • • • • •	? • 7 = 12	5 + ? = 13	? • 9 = 11	6 + ? = 15	10 + ? = 19

Directions:

- Roll a die.
- Solve the first missing number problem in the row that matches the number you rolled.
- Write the missing number in the box.
- Cover the solved calculation with a counter (or colour the box in).
- Continue until you have a row that takes 1st, 2nd and 3rd place.

3 BEFORE ME
Try to solve these all mentally.
If you have to, use objects or drawings.

Being able to answer these quickly and in your head helps you to become a better mathematician. Explain why.

LO: I CAN ADD FRACTIONS WITH THE SAME DENOMINATOR

Page

Success Criteria

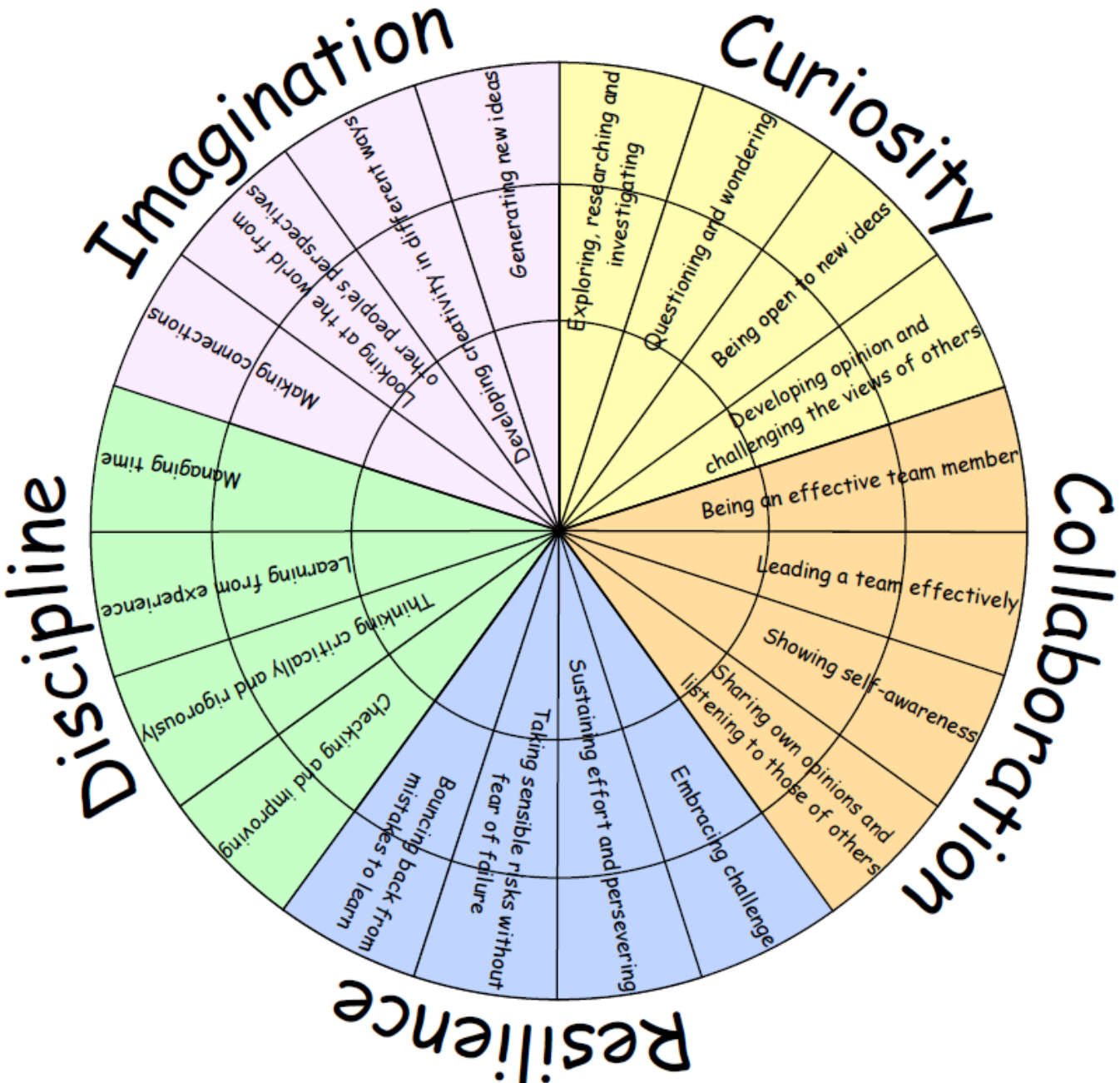
Some will even solve missing number statements.

Some will add fractions (using mental calculations or number line).

Most will add two fractions (with pictorial support).

All will add simple fractions (with adult support).

LEARNING HABITS?



GUIDED PRACTICE

It is Zac's birthday party and he orders pizza with his best friend, Isla.

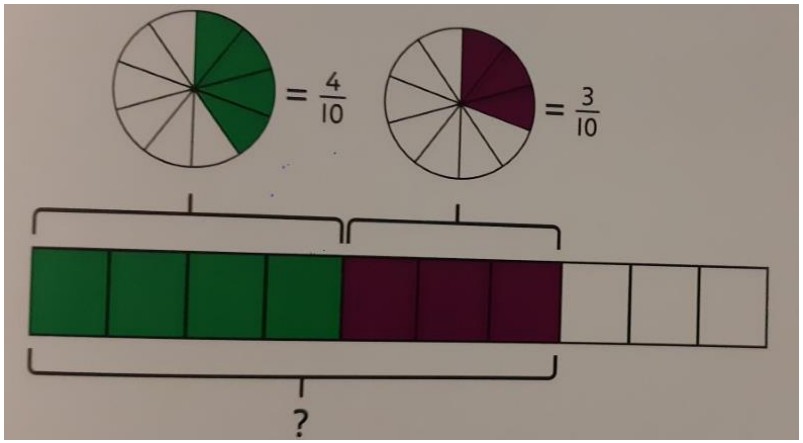
Zac's pizza is cut into 10 (tenths) and he eats 6 slices.
Isla's pizza is cut into 10 (tenths) and she eats 7 slices.

Altogether, what fraction of the pizza is left in the box?

3 BEFORE ME
The numerators get added.
The denominators do not get added.

Zac's box has 4 tenths or $\frac{4}{10}$ of a pizza left.

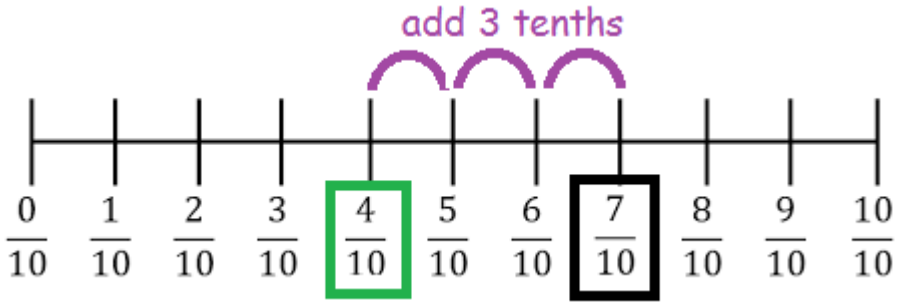
Isla's box has 3 tenths or $\frac{3}{10}$ of a pizza left.



4 tenths add 3 tenths equals 7 tenths.

4 tenths + 3 tenths = 7 tenths.

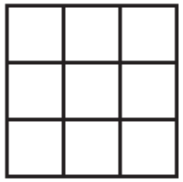
$$\frac{4}{10} + \frac{3}{10} = \frac{7}{10}$$



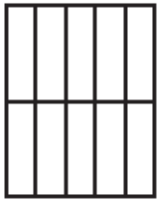
INTELLIGENT PRACTICE

Shade the shapes to help you add the fractions.

$\frac{1}{3} + \frac{1}{3} = \frac{\square}{\square}$



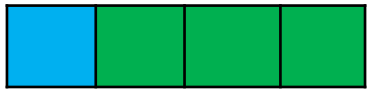
$\frac{3}{9} + \frac{3}{9} = \frac{\square}{\square}$



$\frac{4}{10} + \frac{3}{10} = \frac{\square}{\square}$

$\frac{3}{8} + \frac{2}{8} = \frac{\square}{\square}$

Use the bar models to complete the calculation.



$\frac{1}{4} + \frac{\square}{4} = \frac{\square}{4}$

$\frac{2}{5} + \frac{\square}{5} = \frac{\square}{5}$

$\frac{4}{6} + \frac{\square}{6} = \frac{\square}{6}$

Use the bar models to write the calculation.

$\frac{\square}{\square} + \frac{\square}{\square} = \frac{\square}{\square}$

$\frac{\square}{\square} + \frac{\square}{\square} = \frac{\square}{\square}$

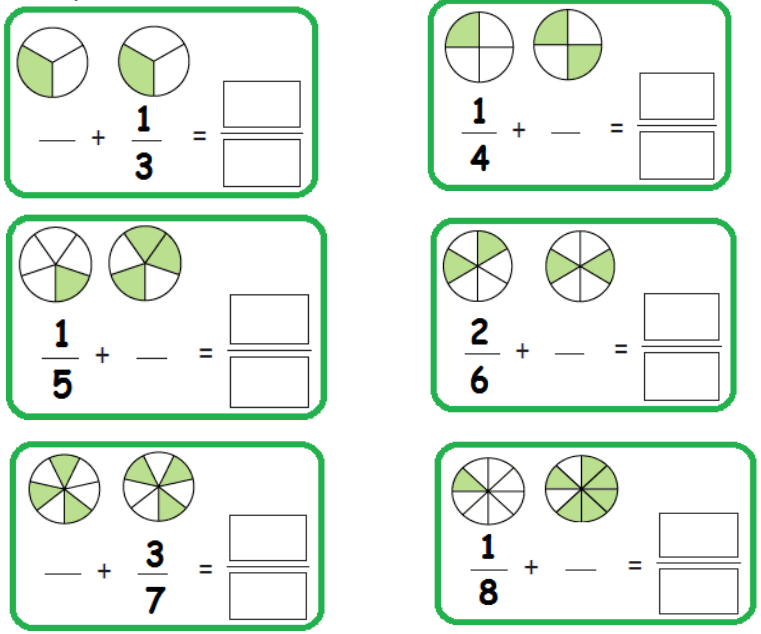
$\frac{\square}{\square} + \frac{\square}{\square} = \frac{\square}{\square}$

<u>3 BEFORE ME</u>
The numerators get added.
The denominators do not get added.

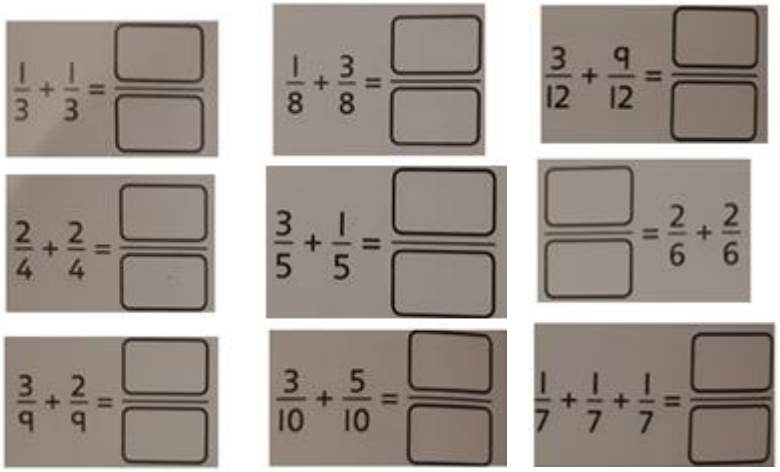
Create your own fraction bar model with two colours.
Write the addition number sentence for your fractions.

DIVE DEEPER 1

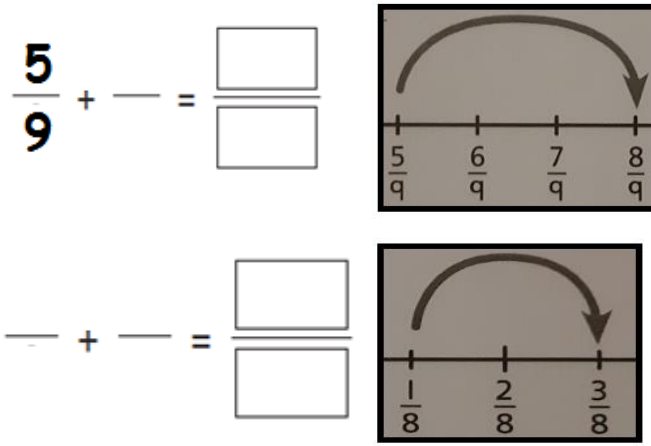
1 Complete these fraction calculations.



2 Add these fractions.



3 Complete the calculations shown on the number lines.



4 What added fractions would make this?

— + — = 5/6

5 Alex thinks one fifth add one fifth equals two tenths.
What is his mistake? Explain.

6 When I add these two fractions, it makes a whole.
Complete the calculations.

1/2 + 1/2 = 2/2 (1 WHOLE)

4/9 + — = 1 whole

4/10 + — = 1 whole

— + — = 1 whole

— + — = 1 whole