

Monday 15th June y5

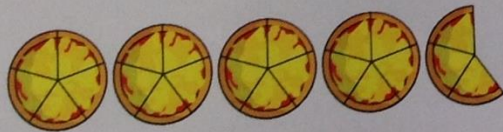
Today we will continue with white rose maths- completing the second part of lesson 3 (week 4 summer).

The video refresher would benefit today, so watch lesson 3 video again if you need to and then complete the worksheets:

b) $3\frac{1}{5} = \square$
 $4\frac{1}{5} = \square$
 $5\frac{1}{5} = \square$
 $\square = \square$

Talk to a partner about any patterns you spot.

- 4 Here are 4 whole pizzas and $\frac{3}{5}$ of a pizza.



How many children can have $\frac{1}{5}$ of a pizza?

- 5 Whitney is converting mixed numbers to improper fractions.



$$4\frac{1}{7} = \frac{28}{7}$$

Do you agree with Whitney? _____

Explain your answer.

6

$$\text{circle} \frac{3}{5} = \text{triangle} \frac{1}{5}$$

The table shows some possible values of the circle.

Use this to find the corresponding value of the triangle.

circle	triangle
1	
2	
4	
8	
16	
	88
	803

YS 5.4
L.3b

- 3 Convert the mixed numbers to improper fractions.
Write the next conversion in each part.

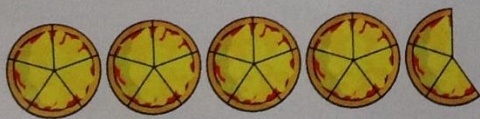
a) $2\frac{1}{7} = \frac{15}{7}$
 $2\frac{2}{7} = \frac{16}{7}$
 $2\frac{3}{7} = \frac{17}{7}$
 $2\frac{4}{7} = \frac{18}{7}$

c) $5\frac{1}{2} = \frac{11}{2}$
 $5\frac{1}{4} = \frac{21}{4}$
 $5\frac{1}{8} = \frac{41}{8}$
 $5\frac{1}{16} = \frac{81}{16}$

b) $3\frac{1}{5} = \frac{16}{5}$
 $4\frac{1}{5} = \frac{21}{5}$
 $5\frac{1}{5} = \frac{26}{5}$
 $6\frac{1}{5} = \frac{31}{5}$

Talk to a partner about any patterns you spot.

- 4 Here are 4 whole pizzas and $\frac{3}{5}$ of a pizza.



How many children can have $\frac{1}{5}$ of a pizza?

23

Sum 4 YS L.3.

- 5 Whitney is converting mixed numbers to improper fractions.



$4\frac{1}{7} = \frac{28}{7}$

Do you agree with Whitney? No
 Explain your answer.

She has converted 4 wholes to $\frac{28}{7}$ but forgotten to add the extra seventh.

- 6

$\text{circle} \frac{3}{5} = \text{triangle} \frac{1}{5}$

The table shows some possible values of the circle.
 Use this to find the corresponding value of the triangle.

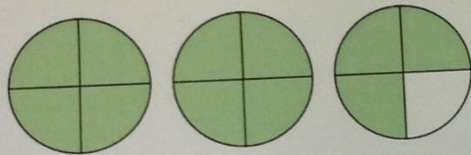
circle	triangle
1	8
2	13
4	23
8	43
16	83
17	88
160	803

Mixed numbers to improper fractions

White
Rose
Maths

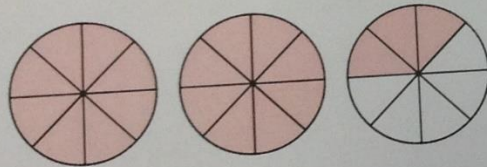
1 Convert the mixed numbers to improper fractions.

a)



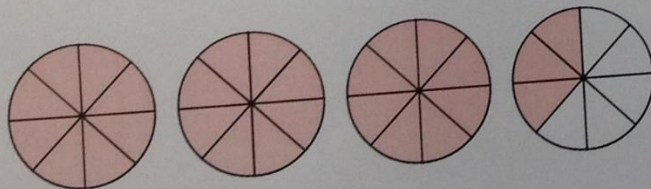
$$2\frac{3}{4} = \frac{11}{4}$$

b)



$$2\frac{3}{8} = \frac{19}{8}$$

c)



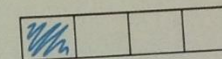
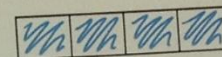
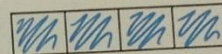
$$3\frac{3}{8} = \frac{27}{8}$$

Sum . 4 . L . 3 75

2 Convert the mixed numbers to improper fractions.

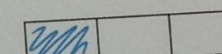
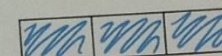
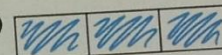
Colour the bar models to help you.

a)



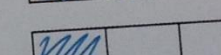
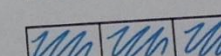
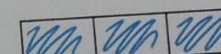
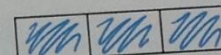
$$2\frac{1}{4} = \frac{9}{4}$$

b)



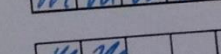
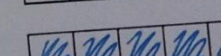
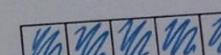
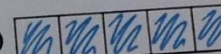
$$2\frac{1}{3} = \frac{7}{3}$$

c)



$$3\frac{1}{3} = \frac{10}{3}$$

d)



$$3\frac{2}{5} = \frac{17}{5}$$



3

Convert the mixed numbers to improper fractions.

Write the next conversion in each part.

a) $2\frac{1}{7} = \boxed{\frac{15}{7}}$

$$2\frac{2}{7} = \boxed{\frac{16}{7}}$$

$$2\frac{3}{7} = \boxed{\frac{17}{7}}$$

$$\boxed{2\frac{4}{7}} = \boxed{\frac{18}{7}}$$

c) $5\frac{1}{2} = \boxed{\frac{11}{2}}$

$$5\frac{1}{4} = \boxed{\frac{21}{4}}$$

$$5\frac{1}{8} = \boxed{\frac{41}{8}}$$

$$\boxed{5\frac{1}{16}} = \boxed{\frac{81}{16}}$$

