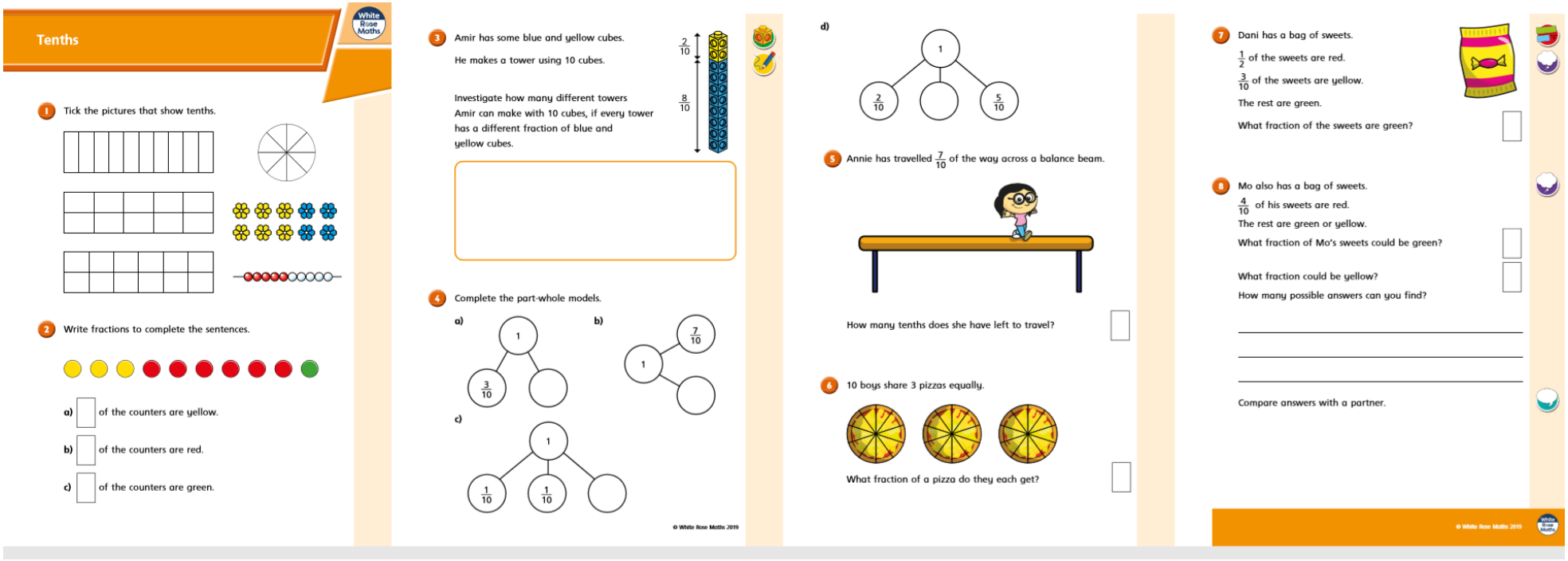
Monday 20th April

An electronic version of the worksheets can be found here:

https://wrm-13b48.kxcdn.com/wp-content/uploads/2020/homelearning/year-3/Y3-Spring-Block-5-WO3-Tenths-2019.pdf



Tenths

1 Tick the pictures that show tenths.

2 Write fractions to complete the sentences.

a) ☐ of the counters are yellow.

b) ☐ of the counters are red.

c) ☐ of the counters are green.

3 Amir has some blue and yellow cubes.

He makes a tower using 10 cubes.

Investigate how many different towers Amir can make with 10 cubes, if every tower has a different fraction of blue and yellow cubes.

4 Complete the part-whole models.

a) 1, $\frac{3}{10}$, ☐

b) $\frac{7}{10}$, 1, ☐

c) 1, $\frac{1}{10}$, $\frac{1}{10}$, ☐

d) 1, $\frac{2}{10}$, ☐, $\frac{5}{10}$

5 Annie has travelled $\frac{7}{10}$ of the way across a balance beam.

How many tenths does she have left to travel? ☐

6 10 boys share 3 pizzas equally.

What fraction of a pizza do they each get? ☐

7 Dani has a bag of sweets.

$\frac{1}{2}$ of the sweets are red.

$\frac{3}{10}$ of the sweets are yellow.

The rest are green.

What fraction of the sweets are green? ☐

8 Mo also has a bag of sweets.

$\frac{4}{10}$ of his sweets are red.

The rest are green or yellow.

What fraction of Mo's sweets could be green? ☐

What fraction could be yellow? ☐

How many possible answers can you find?

Compare answers with a partner.

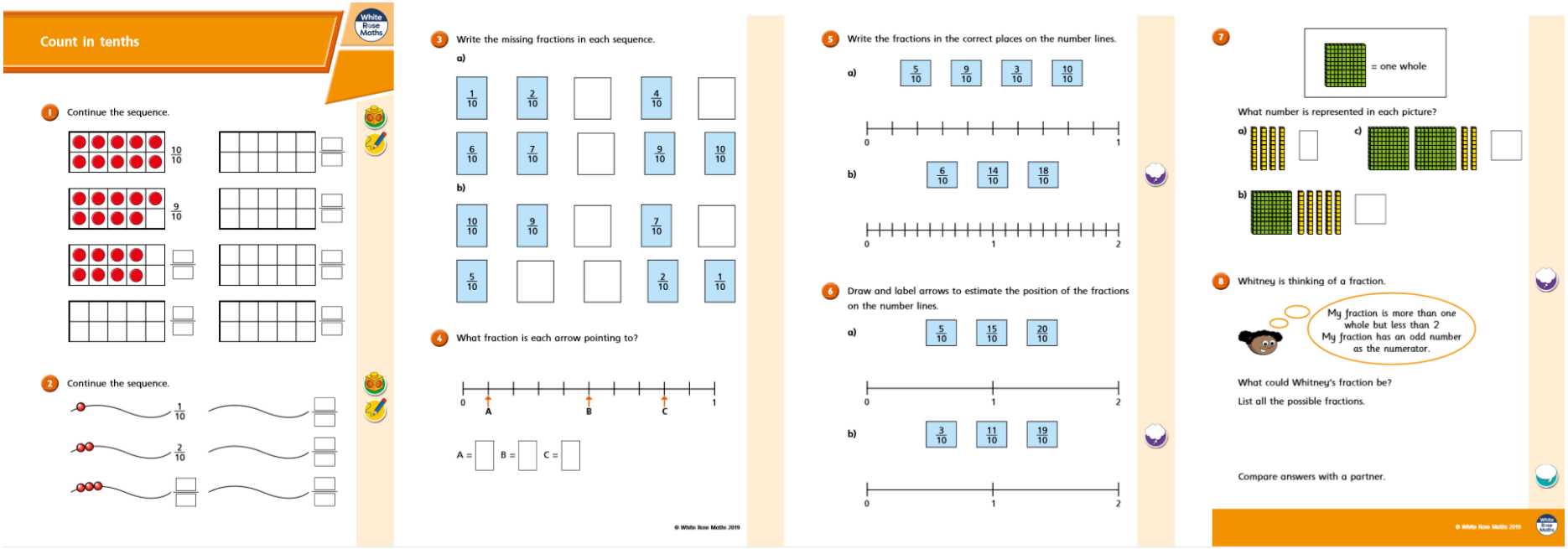
Answers can be found at:

https://wrm-13b48.kxcdn.com/wp-content/uploads/2020/homelearning/year-3/Y3-Spring-Block-5-ANS3-Tenths-2019.pdf

Tuesday 21st April

An electronic version of the worksheets can be found here:

https://wrm-13b48.kxcdn.com/wp-content/uploads/2020/homelearning/year-3/Y3-Spring-Block-5-WO4-Count-in-tenths-2019.pdf



Count in tenths

1 Continue the sequence.

2 Continue the sequence.

3 Write the missing fractions in each sequence.

a)

b)

4 What fraction is each arrow pointing to?

A = B = C =

5 Write the fractions in the correct places on the number lines.

6 Draw and label arrows to estimate the position of the fractions on the number lines.

7 = one whole

What number is represented in each picture?

8 Whitney is thinking of a fraction.

My fraction is more than one whole but less than 2
My fraction has an odd number as the numerator.

What could Whitney's fraction be?
List all the possible fractions.

Compare answers with a partner.

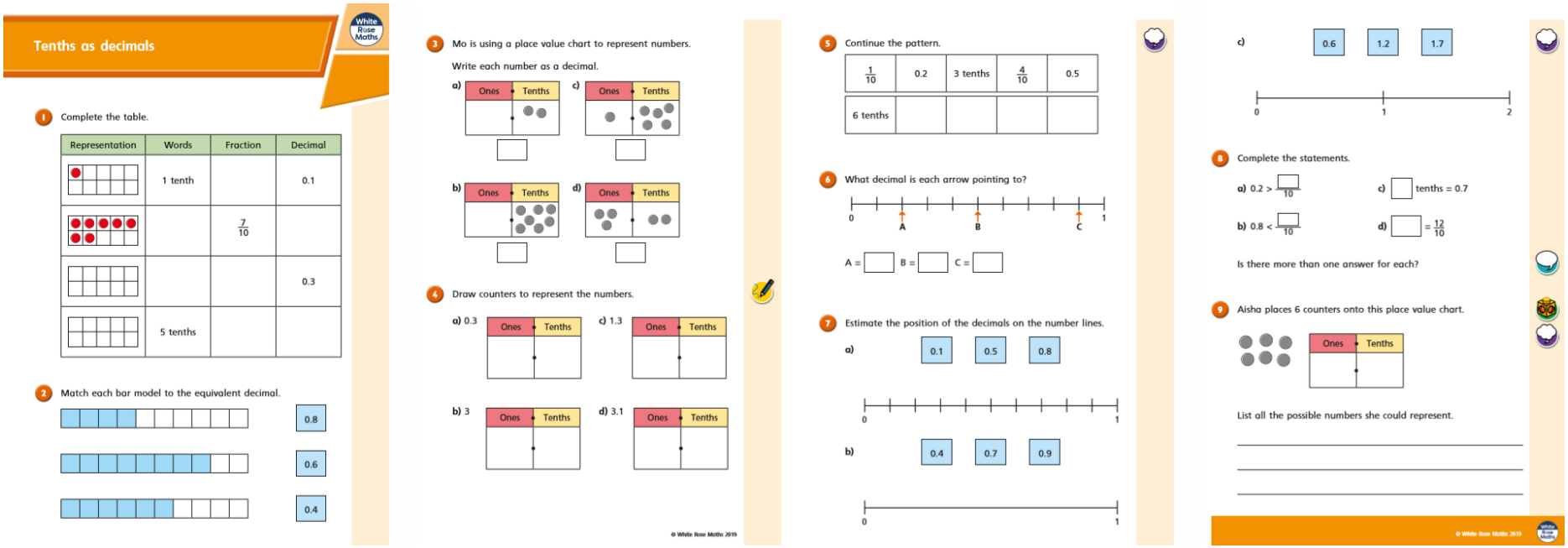
Answers can be found at:

https://wrm-13b48.kxcdn.com/wp-content/uploads/2020/homelearning/year-3/Y3-Spring-Block-5-ANS4-Count-in-tenths-2019.pdf

Wednesday 22nd April

An electronic version of the worksheets can be found here:

https://wrm-13b48.kxcdn.com/wp-content/uploads/2020/homelearning/year-3/Y3-Spring-Block-5-WO5-Tenths-as-decimals-2019.pdf



Tenths as decimals

1 Complete the table.

Representation	Words	Fraction	Decimal
	1 tenth		0.1
		$\frac{7}{10}$	
			0.3
	5 tenths		

2 Match each bar model to the equivalent decimal.

0.8

0.6

0.4

3 Mo is using a place value chart to represent numbers.

Write each number as a decimal.

a) Ones Tenths

b) Ones Tenths

c) Ones Tenths

d) Ones Tenths

4 Draw counters to represent the numbers.

a) 0.3 Ones Tenths

b) 3 Ones Tenths

c) 1.3 Ones Tenths

d) 3.1 Ones Tenths

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5 Continue the pattern.

$\frac{1}{10}$	0.2	3 tenths	$\frac{4}{10}$	0.5
6 tenths				

6 What decimal is each arrow pointing to?

0 A B C 1

A = B = C =

7 Estimate the position of the decimals on the number lines.

a) 0.1 0.5 0.8

0 1

b) 0.4 0.7 0.9

0 1

c) 0.6 1.2 1.7

0 1 2

8 Complete the statements.

a) 0.2 > $\frac{\square}{10}$

b) 0.8 < $\frac{\square}{10}$

c) $\square$ tenths = 0.7

d) $\square = \frac{12}{10}$

Is there more than one answer for each?

9 Aisha places 6 counters onto this place value chart.

Ones Tenths

List all the possible numbers she could represent.

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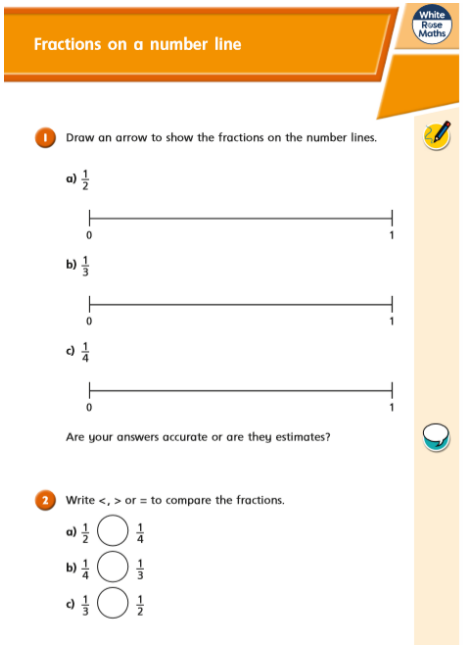
Answers can be found at:

https://wrm-13b48.kxcdn.com/wp-content/uploads/2020/homelearning/year-3/Y3-Spring-Block-5-ANS5-Tenths-as-decimals-2019.pdf

Thursday 24th April

An electronic version of the worksheets can be found here:

https://wrm-13b48.kxcdn.com/wp-content/uploads/2020/homelearning/year-3/Lesson-1-Y3-Spring-Block-5-WO6-Fractions-on-a-number-line-2019.pdf



Fractions on a number line

1 Draw an arrow to show the fractions on the number lines.

a) $\frac{1}{2}$ 0 1

b) $\frac{1}{3}$ 0 1

c) $\frac{1}{4}$ 0 1

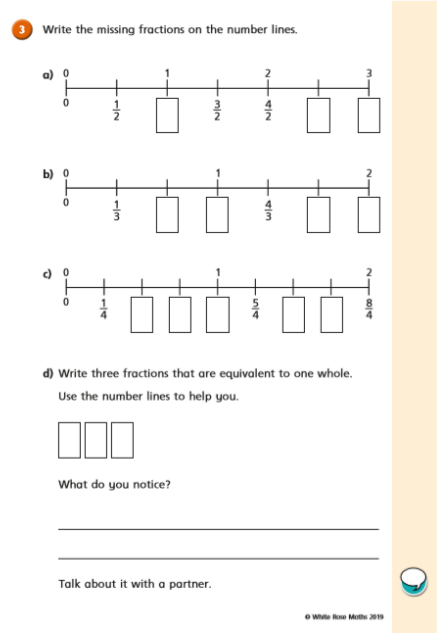
Are your answers accurate or are they estimates?

2 Write <, > or = to compare the fractions.

a) $\frac{1}{2}$ ◯ $\frac{1}{4}$

b) $\frac{1}{4}$ ◯ $\frac{1}{3}$

c) $\frac{1}{3}$ ◯ $\frac{1}{2}$



3 Write the missing fractions on the number lines.

a) 0 1 2 3

0 $\frac{1}{2}$ $\frac{3}{2}$ $\frac{4}{2}$

b) 0 1 2

0 $\frac{1}{3}$ $\frac{4}{3}$

c) 0 1 2

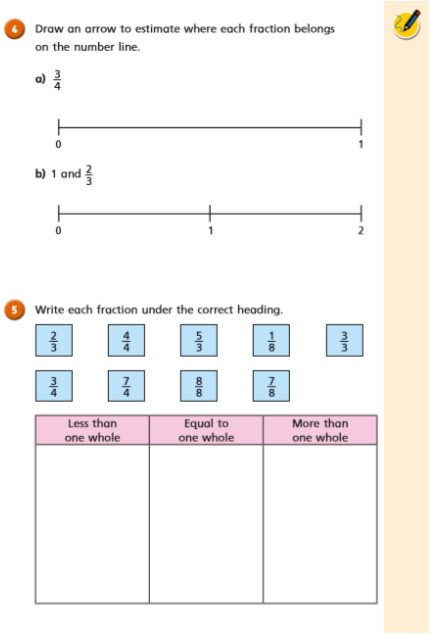
0 $\frac{1}{4}$ $\frac{5}{4}$ $\frac{8}{4}$

d) Write three fractions that are equivalent to one whole.

Use the number lines to help you.

What do you notice?

Talk about it with a partner.



4 Draw an arrow to estimate where each fraction belongs on the number line.

a) $\frac{3}{4}$ 0 1

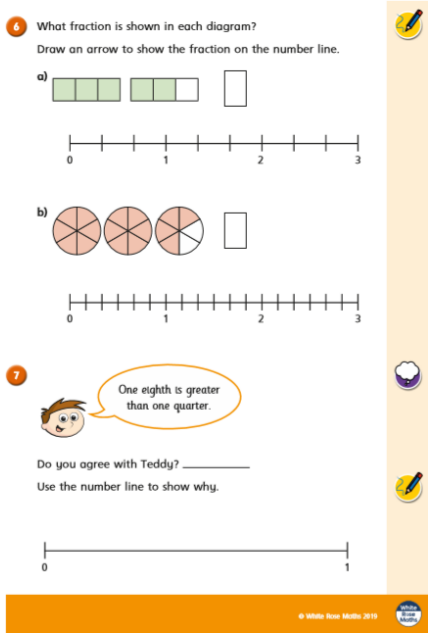
b) 1 and $\frac{2}{3}$ 0 1 2

5 Write each fraction under the correct heading.

$\frac{2}{3}$ $\frac{4}{4}$ $\frac{5}{3}$ $\frac{1}{8}$ $\frac{3}{3}$

$\frac{3}{4}$ $\frac{7}{4}$ $\frac{8}{8}$ $\frac{7}{8}$

Less than one whole	Equal to one whole	More than one whole



6 What fraction is shown in each diagram?

Draw an arrow to show the fraction on the number line.

a) 0 1 2 3

b) 0 1 2 3

7 One eighth is greater than one quarter.

Do you agree with Teddy? _____

Use the number line to show why.

0 1

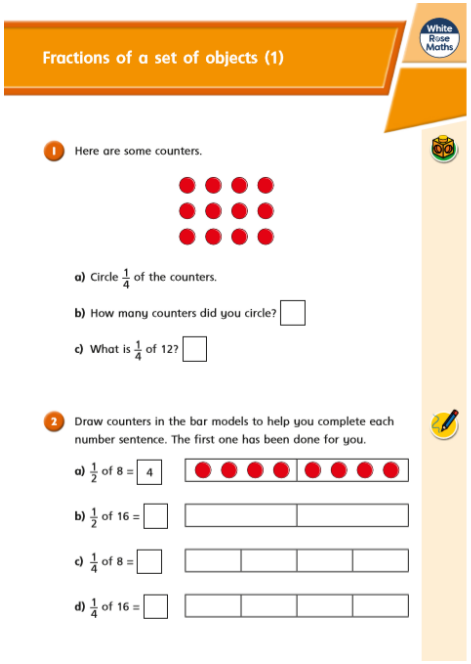
Answers can be found at:

https://wrm-13b48.kxcdn.com/wp-content/uploads/2020/homelearning/year-3/Y3-Spring-Block-5-ANS6-Fractions-on-a-number-line-2019.pdf

Friday 25th April

An electronic version of the worksheets can be found here:

https://wrm-13b48.kxcdn.com/wp-content/uploads/2020/homelearning/year-3/Lesson-2-Y3-Spring-Block-5-WO7-Fractions-of-a-set-of-objects-1-2019.pdf



Fractions of a set of objects (1)

1 Here are some counters.

a) Circle $\frac{1}{4}$ of the counters.

b) How many counters did you circle? ☐

c) What is $\frac{1}{4}$ of 12? ☐

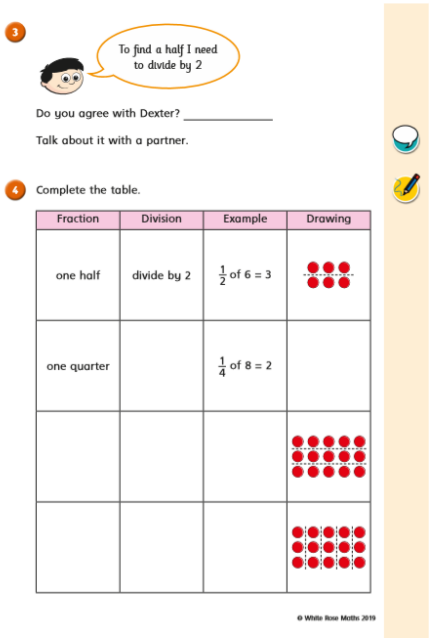
2 Draw counters in the bar models to help you complete each number sentence. The first one has been done for you.

a) $\frac{1}{2}$ of 8 = 4

b) $\frac{1}{2}$ of 16 = ☐

c) $\frac{1}{4}$ of 8 = ☐

d) $\frac{1}{4}$ of 16 = ☐



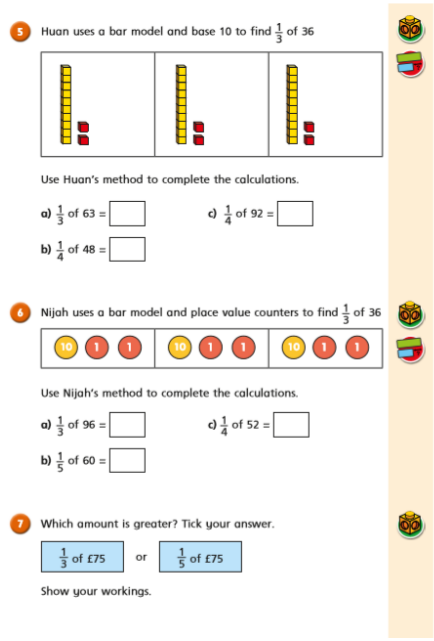
3 To find a half I need to divide by 2

Do you agree with Dexter? _____

Talk about it with a partner.

4 Complete the table.

Fraction	Division	Example	Drawing
one half	divide by 2	$\frac{1}{2}$ of 6 = 3	
one quarter		$\frac{1}{4}$ of 8 = 2	



5 Huan uses a bar model and base 10 to find $\frac{1}{3}$ of 36

Use Huan's method to complete the calculations.

a) $\frac{1}{3}$ of 63 = ☐

c) $\frac{1}{4}$ of 92 = ☐

b) $\frac{1}{4}$ of 48 = ☐

6 Nijah uses a bar model and place value counters to find $\frac{1}{3}$ of 36

Use Nijah's method to complete the calculations.

a) $\frac{1}{3}$ of 96 = ☐

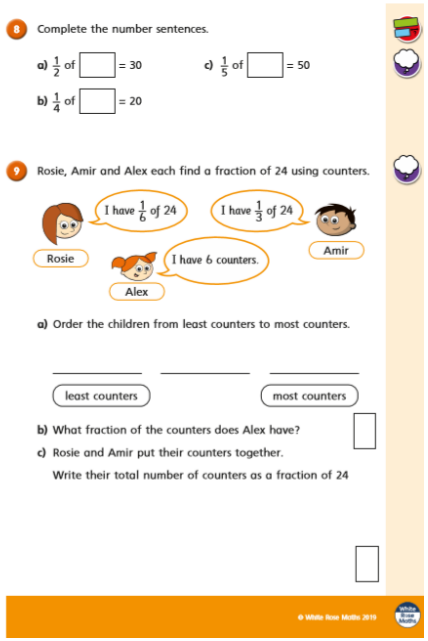
c) $\frac{1}{4}$ of 52 = ☐

b) $\frac{1}{5}$ of 60 = ☐

7 Which amount is greater? Tick your answer.

$\frac{1}{3}$ of £75 or $\frac{1}{5}$ of £75

Show your workings.



8 Complete the number sentences.

a) $\frac{1}{2}$ of ☐ = 30

c) $\frac{1}{5}$ of ☐ = 50

b) $\frac{1}{4}$ of ☐ = 20

9 Rosie, Amir and Alex each find a fraction of 24 using counters.

Rosie: I have $\frac{1}{6}$ of 24

Amir: I have $\frac{1}{3}$ of 24

Alex: I have 6 counters.

a) Order the children from least counters to most counters.

least counters _____ most counters

b) What fraction of the counters does Alex have? ☐

c) Rosie and Amir put their counters together.

Write their total number of counters as a fraction of 24 ☐

Answers can be found at:

https://wrm-13b48.kxcdn.com/wp-content/uploads/2020/homelearning/year-3/Y3-Spring-Block-5-ANS7-Fractions-of-a-set-of-objects-1-2019.pdf