Tuesday 28th April 2020

Good morning Y3s.

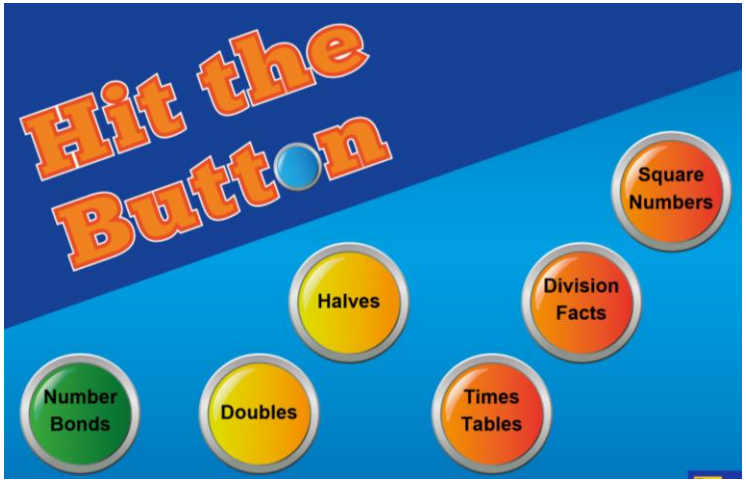
Today please go to https://whiterosemaths.com and click on home learning and Year 3. Go to Week 2, lesson 2 and find the video called 'Fractions of a set of objects 1'.

Watch the video and then try the activity (I have copied it on the page below).

When you have finished the activity, follow the link below and play Hit the Button to practise your 3, 4 and 8 times tables or you could even do some times tables aerobics like we do at school.

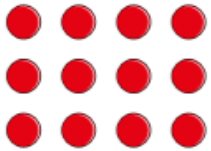
Miss Bamber

https://www.topmarks.co.uk/maths-games/hit-the-button



Fractions of a set of objects (1)

1 Here are some counters.



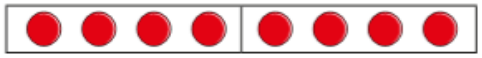
a) Circle $\frac{1}{4}$ of the counters.

b) How many counters did you circle? ☐

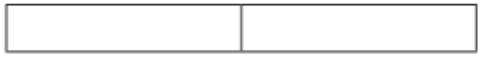
c) What is $\frac{1}{4}$ of 12? ☐

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

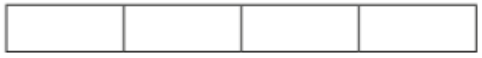


b) $\frac{1}{2}$ of 16 = ☐



c) $\frac{1}{4}$ of 8 = ☐

d) $\frac{1}{4}$ of 16 = ☐

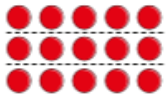
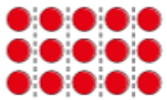


3

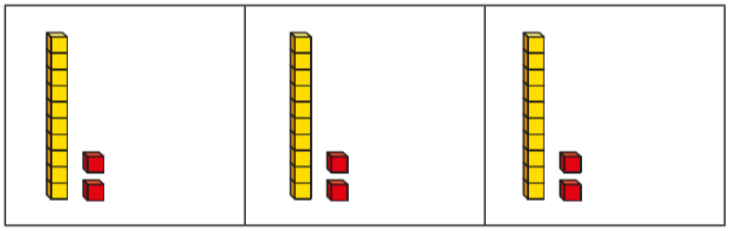
Do you agree with Dexter? _____

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.

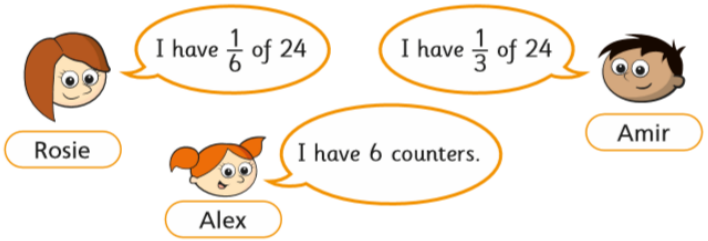
8 Complete the number sentences.

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.



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

☐