Week 10, Day 3 Find fractions of amounts (2)

Each day covers one maths topic. It should take you about 1 hour or just a little more.

- Start by reading through the Learning Reminders. They come from our *PowerPoint* slides. 2 2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8 2.9 Sketch a line from 2.3 to 2.4. Write a number that goes between 2.3 and 2.4.
- Tackle the questions on the Practice Sheet. 2. There might be a choice of either Mild (easier) or Hot (harder)! Check the answers.

1.

Finding it tricky? That's OK... have a go with a 3. grown-up at A Bit Stuck?

Think you've cracked it? Whizzed through the Practice Sheets? 4. Have a go at the Investigation...







Learning Reminders



Learning Reminders



Learning Reminders



Practice Sheet Mild																								
							Ch	000	late	e co	rnfla	ake	cak	e re	ecip	е								
Th be	nis recip e needeo	e wou d to m	ld m lake	ake to $\frac{1}{2}, \frac{1}{3}$	oo mu Tand	$\frac{1}{4}$	for (of th	one ne ai	fam mou	ily! nt.	Calcu	ulate	hov	w m	uch	of e	ach i	ingr	edie	nt w	/oul	d		
12	2 tablesp 1 tablesr	poons	gold	en sy	rup																			
48	square	es of ch	1000	ate																				
36	6 cups co	ornflal	kes																					
•	Melt th Stir in t	ne butt he cou	ter, s rnflal	yrup a kes.	and c	hoc	olat	e in	the	mic	rowa	ave, t	this	only	/ usu	ally	take	es ak	oout	30	seco	onds		
•	Melt th Stir in t Spoon i	ne butt he cor into ca	ter, s rnflal ake c	yrup a kes. ases a	and c and le	hoc eave	olat e to	e in set.	the Ingr	mic r edi	rowa ents	ave, t 5 Tab	this ble	only	/ usu	ially	take	es at	oout	30	seco	onds		
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•	Melt th Stir in t Spoon i Ing Gold	ne butt the con into ca gredien den syn	ter, s rnflal ake c nt rup	yrup a kes. ases a	and c and le Whol 12 ta	hoc eave le a bles	e to mou	e in set. unt	the Ingr	mic redi	rowa ents amo	ave, t 5 Tab ount	ble	only	/ USU	am	take ount	es at	pout	30 1 4	seco an	nour	nt	
•	Melt th Stir in t Spoon i Ing Gold	ne butt he con into ca gredien den syn Butter	ter, s rnflal ake c nt rup	yrup a kes. ases a	and c and le Whol 12 ta 24 ta	hoc eave le a bles bles	e to mou spoc	e in set. unt ons	the Ingr	mic	rowa ents amo	ave, t 5 Tab ount	ble	only	/ USU	am	take	es ak	bout	30 <u>1</u> 4	seco an	nour	nt	
•	Melt th Stir in t Spoon i Ing Gold	ne butt he con into ca gredien den syn Butter nocolat	ter, s rnflal ake c nt rup te	yrup a kes. ases a	and c and le Who 12 ta 24 ta 48	hoc eave le a bles bles	e to mou spoc	e in set. unt ons ons	the Ingr	mic	rowa ents amo	ave, t 5 Tab ount	ble	only	/ USU	am	take	es ak	bout	30 <u>1</u> 4	an	nour	nt	

Practice Sheet Hot

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

Can you work out what $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$, and $\frac{1}{3}$ of your strip number is?

Can you complete the table:

Full strip	$\frac{1}{2}$	$\frac{1}{4}$	<u>3</u> 4	$\frac{1}{3}$
12				
24				
36				
48				

(Challenge

If we want to find $\frac{1}{2}$, $\frac{1}{3}$, and $\frac{1}{4}$, as we have here, there is a number bigger than 48 and less that 64 that works.

Can you explore what number that might be?

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Practice Sheet Answers

Practice Sheet (Mild)

Golden syrup (12 tablespoons): $\frac{1}{2} = 6$, $\frac{1}{3} = 4$, $\frac{1}{4} = 3$ Butter (24 tablespoons): $\frac{1}{2} = 12$, $\frac{1}{3} = 8$, $\frac{1}{4} = 6$ Chocolate (48 squares): $\frac{1}{2} = 24$, $\frac{1}{4} = 12$ Cornflakes (36 cups): $\frac{1}{2} = 18$, $\frac{1}{3} = 12$, $\frac{1}{4} = 9$

Practice Sheet (Hot)

Full strip	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{3}{4}$	$\frac{1}{3}$
12	6	3	9	4
24	12	6	18	8
36	18	9	27	12
48	24	12	36	16

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a)	Can you find the next two numbers after 48 that can be split into
	halves, quarters and thirds? 60, 72
b)	What is the smallest number >100 that can be split into halves,
	quarters and thirds? 108

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A Bit Stuck? Alien adventure Work in pairs Things you will need: An outline of a spaceship • 30 counters/pennies • A pencil What to do: The aliens are going on an adventure! • Each $\frac{1}{3}$ of the spaceship must have the same number of aliens. Otherwise the 13 of 12 is 4 spaceship will become unstable. 1/3 of 18 is Choose an alien with a number. 0 Take that number of counters. • Share the counters equally between the three parts of the spaceship. • Write the fraction sentence. • Choose at least four other aliens with numbers to go on an adventure. Each time, work out how many aliens need to be in each $\frac{1}{3}$ of the spaceship. S-t-r-e-t-c-h: Find $\frac{1}{3}$ of 12, $\frac{2}{3}$ of 12 and $\frac{3}{3}$ of 12. Find $\frac{1}{3}$, $\frac{2}{3}$ and $\frac{3}{3}$ of another number of aliens. Learning outcomes: • I can understand that thirds are equal parts of a whole. • I can find $\frac{1}{3}$ of numbers (whole number answers)

• I am beginning to find $\frac{2}{3}$ of numbers (whole number answers).

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