Week 14, Day 2 Halve 2-digit numbers

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



Hot (harder)! Check the answers.

Start by reading through the Learning Reminders.

They come from our *PowerPoint* slides.

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

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



2 2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8 2.9

6.231 + 0.11

7. 6.231+0.011

5.846 - 0.13

11. 5.846 - 0.204

6.231 + 0.10

8. 5.846 - 0.211

10. 5.846 - 0.013

1.

2.

Learning Reminders





Learning Reminders





Practi Halvi	ce Sheet Mild ing numbers	
Halve the following numbers using partitioning:		
1.	24	
2	4.0	
Ζ.	02	
3.	28	
4.	44	
5.	36	
4	E E	
О.	22	
Challenge		
Now try those:		
7. 68		
8. 59		
9. 77		
10. 94		
© Hamilton Trust Explore more Hamilton T	rust Learning Materials at https://wrht.org.uk/hamilton	

	Practice Sheet Hot Halving numbers	
Halve the following numbers using partitioning:		
	1. 36	
	2. 65	
	3 53	
	A 77	
	4. //	
	F (0	
	5. 68	
	6. 86	
Challenge		
Now	ry these:	
7.	71	
8.	99	
9.	124	
10.	137	
	Evoloro moro Hamilton Trust Lograing Matorials at https://webt.org.uk/bareilton	
© Hamilton Irus		

Practice Sheets Answers

Halving numbers (mild)

ł

♦

1.	24	20 ÷ 2 = 10	4 ÷ 2 = 2	So half of 24 is 10 + 2 = 12
2.	62	60 ÷ 2 = 30	2 ÷ 2 = 1	So half of 62 is 30 + 1 = 31
3.	28	20 ÷ 2 = 10	8 ÷ 2 = 4	So half of 28 is 10 + 4 = 14
4 .	44	40 ÷ 2 = 20	4 ÷ 2 = 2	So half of 44 is 20 + 2 = 22
5.	36	30 ÷ 2 = 15	6 ÷ 2 = 3	So half of 36 is 15 + 3 = 18
6.	55	50 ÷ 2 = 25	$5 \div 2 = 2\frac{1}{2}$	So half of 55 is $25 + 2\frac{1}{2} = 27\frac{1}{2}$
C	hallena			
	indireng			
7.	68	60 ÷ 2 = 30	8 ÷ 2 = 4	So half of 68 is 30 + 4 = 34
7. 8.	68 59	60 ÷ 2 = 30 50 ÷ 2 = 25	$8 \div 2 = 4$ $9 \div 2 = 4\frac{1}{2}$	So half of 68 is $30 + 4 = 34$ So half of 59 is $25 + 4\frac{1}{2} = 29\frac{1}{2}$
7. 8. 9.	68 59 77	60 ÷ 2 = 30 50 ÷ 2 = 25 70 ÷ 2 = 35	$8 \div 2 = 4$ $9 \div 2 = 4\frac{1}{2}$ $7 \div 2 = 3\frac{1}{2}$	So half of 68 is $30 + 4 = 34$ So half of 59 is $25 + 4\frac{1}{2} = 29\frac{1}{2}$ So half of 77 is $35 + 3\frac{1}{2} = 38\frac{1}{2}$

 $\mathbf{\Delta}$

 \bigcirc

Halving numbers (hot)

1. 2. 3	36 65	$30 \div 2 = 15$ $60 \div 2 = 30$ $50 \div 2 = 25$	$6 \div 2 = 3$ $5 \div 2 = 2\frac{1}{2}$ $2 \div 2 = 1^{1}$	So half of 36 is $15 + 3 = 18$ So half of 65 is $30 + 2\frac{1}{2} = 32\frac{1}{2}$ So half of 52 is $25 + 1^{1} = 26^{1}$
Э. Л	55	$50 \div 2 = 25$	$3 \div 2 = 1\frac{1}{2}$	So non of 55 is $25 + 12 = 202$
4.	//	70 ÷ Z = 35	$7 \div 2 = 3\frac{1}{2}$	SO NOT OF // IS SS + $3\overline{2}$ = $30\overline{2}$
5.	68	60 ÷ 2 = 30	8 ÷ 2 = 4	So half of 68 is 30 + 4 = 34
6 .	86	80 ÷ 2 = 40	6 ÷ 2 = 3	So half of 86 is 40 + 3 = 43
	Challeng	e		
7 .	Challeng 71	e 70 ÷ 2 = 35	$1 \div 2 = \frac{1}{2}$	So half of 71 is $35 + \frac{1}{2} = 35\frac{1}{2}$
7. 8.	Challeng 71 99	70 ÷ 2 = 35 90 ÷ 2 = 45	$1 \div 2 = \frac{1}{2}$ $9 \div 2 = 4\frac{1}{2}$	So half of 71 is $35 + \frac{1}{2} = 35\frac{1}{2}$ So half of 99 is $45 + 4\frac{1}{2} = 49\frac{1}{2}$
7. 8. 9.	Challeng 71 99 124	70 ÷ 2 = 35 90 ÷ 2 = 45 120 ÷ 2 = 60	$1 \div 2 = \frac{1}{2} 9 \div 2 = 4\frac{1}{2} 4 \div 2 = 2$	So half of 71 is $35 + \frac{1}{2} = 35\frac{1}{2}$ So half of 99 is $45 + 4\frac{1}{2} = 49\frac{1}{2}$ So half of 120 is 60 + 2 = 62

© Hamilton Trust

 \bigcirc

 \bigcirc

 \bigcirc

 \wedge

Explore more Hamilton Trust Learning Materials at https://wrht.org.uk/hamilton

 \wedge

A Bit Stuck? Harder halves

Work in pairs

- Things you will need:
- A set of 10s and 1s place value cards
- A pencil

What to do:

- Choose a number from the grid to halve. Make the number with place value cards.
- Partition, halve each part, then combine your answers. Use the list of halves of multiples of 10 on the flipchart you wrote together to help. If you find it helpful, draw a jotting.
- Write the halving sentence.
- Score 1 point if the 1s digit in the answer is 1, 2, 3, or 4. Score 2 points if the 1s digit in the answer is 6, 7, 8 or 9.
- Repeat for as many numbers as you can.
 Can you score more than 10 points altogether?



36	96	72	32
74	28	54	62
88	46	14	58

S-t-r-e-t-c-h:

Choose two of your halves to check with doubling.

Learning outcomes:

- I can halve even 2-digit numbers up to 100.
- I am beginning to check halving with doubling.

© Hamilton Trust

Explore more Hamilton Trust Learning Materials at https://wrht.org.uk/hamilton

Place Value Cards



