Year 3: Week 5, Day 4 Time intervals

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.
- Tackle the questions on the Practice Sheet. There might be a choice of either Mild (easier) or Hot (harder)! Check the answers.

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**...

1.





Write a number that goes between 2.3 and 2.4. 2

Learning Reminders



Learning Reminders



Learning Reminders



Practice Sheet Mild Time intervals

On the clocks show two pairs of times that are 10 minutes apart, and write the digital times underneath.





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On the clocks show two pairs of times that are 15 minutes apart, and write the digital times underneath.







Practice Sheet Hot Time intervals On the clocks show two pairs of times that are 45 minutes apart, and write the digital times underneath. 12 12 12 10 10 ۱n On the clocks show two pairs of times that are 1 hour and 15 minutes apart, and write the digital times underneath. 12 12 12 12 10 On the clocks show two pairs of times that are 25 minutes apart, and write the digital times underneath. 11 ¹² 12 12 Explore more Hamilton Trust Learning Materials at https://wrht.org.uk/hamilton © Hamilton Trust

Practice Sheets Answers

Time intervals (mild)

Sheet 1

Children draw pairs of time that are 10 and 15 minutes apart on analogue clocks and write the corresponding digital times. Note that positioning of the hands on the analogue clocks is correct.

Sheet 2

Children draw pairs of time that are 20, 30 and 45 minutes apart on analogue clocks and write the corresponding digital times. Note that positioning of the hands on the analogue clocks is correct.

Time intervals (hot)

Sheet 1

Children draw pairs of time that are 20, 30 and 45 minutes apart on analogue clocks and write the corresponding digital times. Note that positioning of the hands on the analogue clocks is correct.

Sheet 2

Children draw pairs of time that are 45, 1 hour 15 minutes and 25 minutes apart on analogue clocks and write the corresponding digital times. Note that positioning of the hands on the analogue clocks is correct.

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A Bit Stuck? Match the times Work in pairs Things you will need: • A set of dominoes (past and to the hour)

What to do:

- Work in pairs to make a loop out of the time dominoes.
- Touching ends must have matching times, one analogue and the other digital.



• Can you use all the dominoes in your loop?

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

Find pairs of dominoes such that the time on one side is 5 minutes before or later than the time on the other side. How many are there?

Learning outcomes:

- \cdot I can tell the time to 5 minutes on analogue and digital clocks.
- I am beginning to say the time 5 minutes before or after o'clock, $\frac{1}{4}$ past, $\frac{1}{2}$ past and $\frac{1}{4}$ to times.

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2	$x + ? = x cm^3 \frac{1}{2} \div \frac{1}{2} \frac{1}{3} > m^2 + \frac{1}{3} < \frac{1}{3} - cm ? + \frac{1}{3}$	⅓ +
*		·
m²	Start and finish times	w
^		×
%	Alice drew a picture. She started before 11 o'clock and finished after 11 o'clock.	CM3
w	It took her 5 minutes to draw her picture. When could she have started and finished?	1/2
-l•	Are there other pairs of possible times?	•1•
1/2	now many pairs of times allogether?	tu.
сm³	Ben drew a picture. He started before 11 o'clock and finished after 11 o'clock. It	2
×	took him 10 minutes to draw his picture. When could he have started and finished?	V
w	Are there other pairs of possible times? How many pairs of times altogether?	m,
۰۱۰	now many pairs of mines an ogenier:	*
*	Carla drew a picture. She started before 11 o'clock and finished after 11 o'clock.	%
~	It took her 15 minutes to draw her picture. When could she have started and finished?	~
cm	Are there other pairs of possible times? How many pairs of times altogether?	%
1		2
%	Dev drew a picture. He started before 11 o'clock and finished after 11 o'clock. It	i u
V	Looking at your answers for Alice, Ben and Carla, how many possible pairs of start	*
%	and finish times do you think there are? Can you explain your ideas?	۰/۰
12 +		
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۷	$x + ? = x c_{m^3} \frac{1}{2} \div \frac{1}{2} \frac{1}{3} > m^2 + \frac{9}{3} < \frac{5}{6} - c_m ? x \div$	× 3