Use knowledge of tables & place value to divide multiples of 10 Each day covers one maths topic. It should take you about 1 hour or just a little more.

1. If possible, watch the **PowerPoint presentation** with a teacher or another grown-up.

OR start by carefully reading through the **Learning Reminders**.

 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**...





2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8 2.5



Learning Reminders



Learning Reminders





Practice Sheet Mild Use times tables to divide

Choose a number from the first set to divide by a number from the second set. Your answer must be a whole number.



How many divisions can you write using times tables facts that you know?

Challenge

Which of the single-digit numbers is a factor of all of the 3-digit numbers? How can you be sure without doing every division?

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Practice Sheets Answers

Use times tables to divide (mild) 3 4 5 6

$240 \div 3 = 80$	240 ÷ 4 = 60	240 ÷ 5 = 48	240 ÷ 6 = 40
160 ÷ 4 = 40	160 ÷ 5 = 32		
180 ÷ 3 = 60	180 ÷ 4 = 45	180 ÷ 5 = 36	180 ÷ 6 = 30
150 ÷ 3 = 50	150 ÷ 5 = 30	150 ÷ 6 = 25	
250 ÷ 5 = 50			

Challenge

5 is a factor of all the 3-digit numbers. You can tell as they each end with a zero, and so don't need to do every single calculation.

Use times tables to divide (hot)

270 ÷ 3 = 90	160 ÷ 4 = 40	$160 \div 5 = 32$	270 ÷ 6 = 45
480 ÷ 3 = 160	$320 \div 4 = 80$	$270 \div 5 = 54$	$480 \div 6 = 80$
360 ÷ 3 = 120	$480 \div 4 = 120$	$320 \div 5 = 64$	$360 \div 6 = 60$
	360 ÷ 4 = 90	480 ÷ 5 = 96	
		$250 \div 5 = 50$	
		360 ÷ 5 = 72	
160 ÷ 8 = 20	$270 \div 9 = 30$		
$320\div8=40$	$360 \div 9 = 40$		
480 ÷ 8 = 60			
360 ÷ 8 = 45			

Challenge

1. 5 is a factor of all the 3-digit numbers. You can tell as they each end with a zero, and so don't need to do every single calculation.

2. All multiples of 9 are also multiples of 3. 320 is not a multiple of 3. 320 cannot be a multiple of 9.

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A Bit Stuck? Creepy crawlies

Work in pairs

Things you will need:

- A set of 0 to 12 cards
- Ten creepy crawly cards

What to do:

- Shuffle the 0 to 12 cards and place face down.
- Turn over the top card. This is the number of creepy crawlies hiding under a stone.
- Take that number of creepy crawly cards. Use clever counting to work out the number of legs.
- Return the card to the bottom of the pack.
 BUT if you knew the answer without using clever counting, keep the card.
- Turn over the next card and repeat.
- Keep playing the game until you don't have many cards left in the pack because you have learned so many facts!



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

Use the 0 to 12 cards. See if you can learn eight facts by heart!

Learning outcomes:

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- I can multiply numbers by 6.
- I am beginning to know some facts for the 6 times tables by heart.

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