

Year 4 Maths
Remote learning
Week beginning
Monday 11th
January 2021

This pack contains:

- Completed activity for teaching
- 5 lessons with tasks

You will then need to bring in your homework book when you return to school. The teacher will then be able to give you feedback on the work.

Lesson 1 - Teaching

Can I read and write Roman Numerals?

Starter: Write a.m. or p.m. for these statements?

The sun comes up? You go to bed? You have your breakfast?

You go for a walk after school? The sun goes down?

You dream about being a superhero? You arrive at school?

Task: Roman Numerals were used by the Romans to write numbers.

They had different symbols from our numbers.

I = 1, V = 5, X = 10, L = 50 and C = 100

They used these symbols to write numbers.

Example: 3 = III Just add up the values of the symbols (1 + 1 + 1)

7 = VII (5 + 1 + 1)

12 = XII (10 + 1 + 1)

56 = LVI (50 + 5 + 1)

They also used some special combinations for numbers that are one less or ten less:

IV = 4 (take 1 from 5), IX = 9 (take 1 from 10), XL = 40 (take ten from 50)

and XC = 90 (take 10 from 100)

For a step by step explanation go to <https://app.mymaths.co.uk/1723-lesson/roman-numerals>

Remember the Login is **elson** and the password is **prism**.

a.m.
p.m.
p.m.
p.m.
a.m.
p.m.
a.m.
Answers

Lesson 1 - Activity

Can I read and write Roman Numerals?

Can you convert these numbers to Roman Numerals?



■ 17 = 22 = 26 = 29 = 30 =

■ 32 = 35 = 50 = so 40 =

■ 44 = 49 = 58 = 60 =



Were you correct?

Lesson 2 - Teaching

Can I calculate with Roman Numerals?

Starter: Write a.m. or p.m. for these 24 hour clock times.

09:05 13:15 01:44 17:30 11:56 21:02 23:12 06:10 03:41 16:45

Answers:
am pm am pm am pm am pm am pm am pm am pm

Task: Your task today is to solve problems like this:

$$CLVI + XCIX =$$

First you need to change the Roman Numerals into numbers:

$$CLVI = 100 + 50 + 5 + 1 = 156$$

$$XCIX = 90 + 9 = 99$$

So the calculation is $156 + 99 =$

You can work this out using your favourite method. The answer is 255.

Then change the answer back into Roman Numerals:

$$200 = CC, 50 = L, 5 = V \text{ so } 255 = CCLV$$

Lesson 2 - Activity

Can I calculate with Roman Numerals?

Choose a set of questions to solve. Be careful - some are add and some are take away!

Blue

a) $XXV - XVII =$

b) $XIX + XXVI =$

c) $XXI + XXVII =$

d) $XXXVII - XIII =$

e) $XIV + XVI =$

Purple

a) $XXIX + XLV =$

b) $XXXVI + XLIV =$

c) $XXXVII - XXVIII =$

d) $LXXIV + XXIV =$

e) $LXIII - XLVI =$

Green

a) $LXXVIII - LXV =$

b) $XCVII + XCIX =$

c) $CLXXIV - LXVIII =$

d) $CXXIX + CLXXV =$

e) $CCLIV + CXLV =$

Answers
Blue a) VIII b) XLV c) XLVIII d) XXIV e) XXX
Purple a) LXXIV b) LXXX c) IX d) XCVIII e) XVII
Green a) XIIII b) CXCVI c) CVI d) CCCI e) CCCXCIX

Lesson 3 - Teaching

Can I recall times table facts?

Task: Today, you are going to complete a Tables Grid like this one:

X	2			10
			9	
		25		
				100
	4			

X	2	5		10
			9	
5		25		
10				100
2	4			

You need to find the missing numbers by multiplying the side number by the matching top number.

Getting started: *On the second row. $? \times ? = 25$ This must be 5×5 so put these numbers on the grid.*

Next: *On the third row. $? \times 10 = 100$. This must be 10×10 .*

Next: *On the bottom row. $? \times 2 = 4$. This must be 2×2 .*

Can you carry on and fill in the rest of the numbers?

The finished grid would look like this:

X	2	5	9	10
1	2	5	9	10
5	10	25	45	50
10	20	250	90	100
2	4	10	18	20

Lesson 3 - Activity

Can I recall times table facts?

Answers:

Copy and complete.

Easy

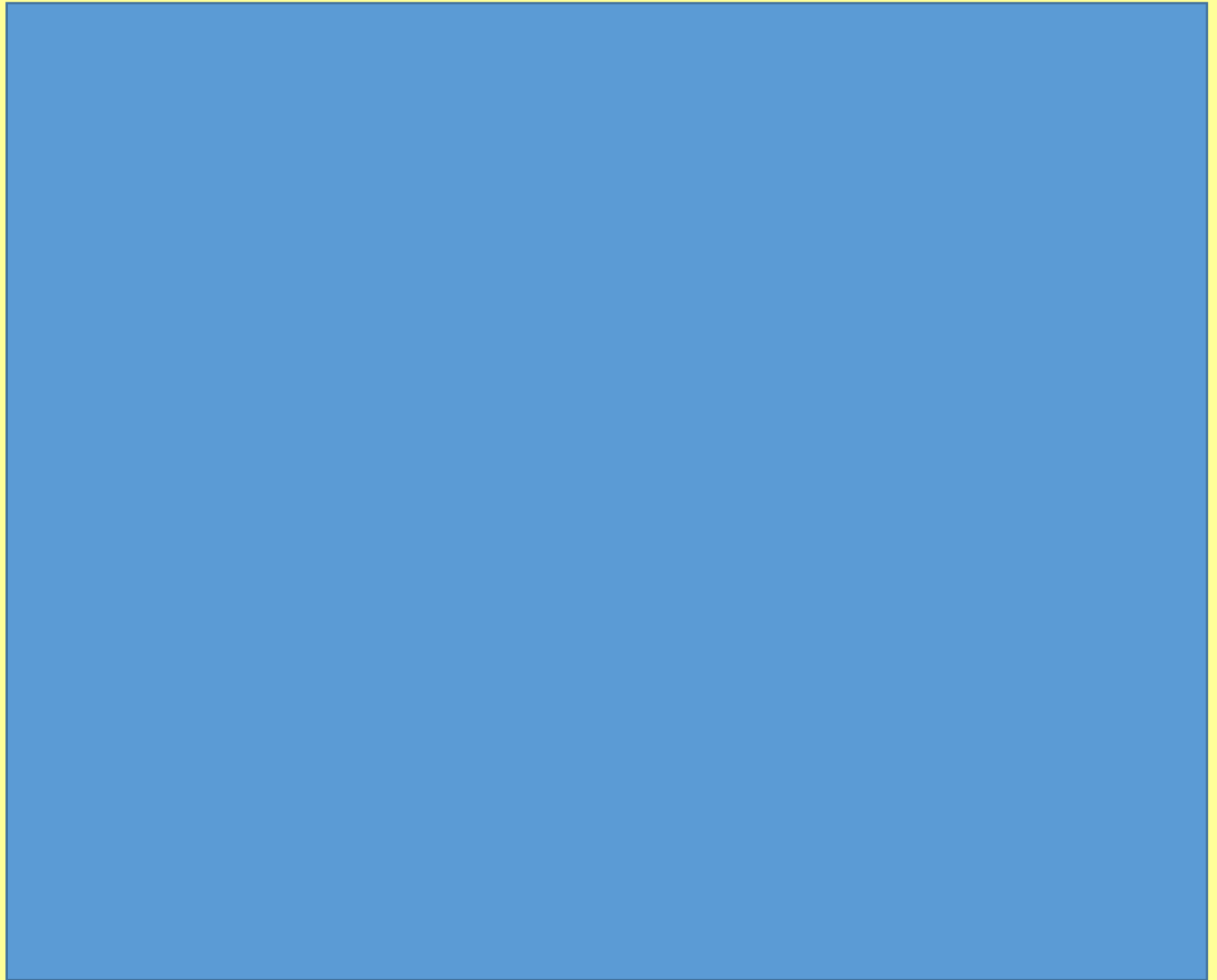
Multiplication Grid 3 – Fill in the missing numbers

X	1	2	3	
		10		
2		4		
				25
			30	

Hard

Multiplication Grid 4 – Fill in the missing numbers

X				
6		36		
	49			
			64	
				81

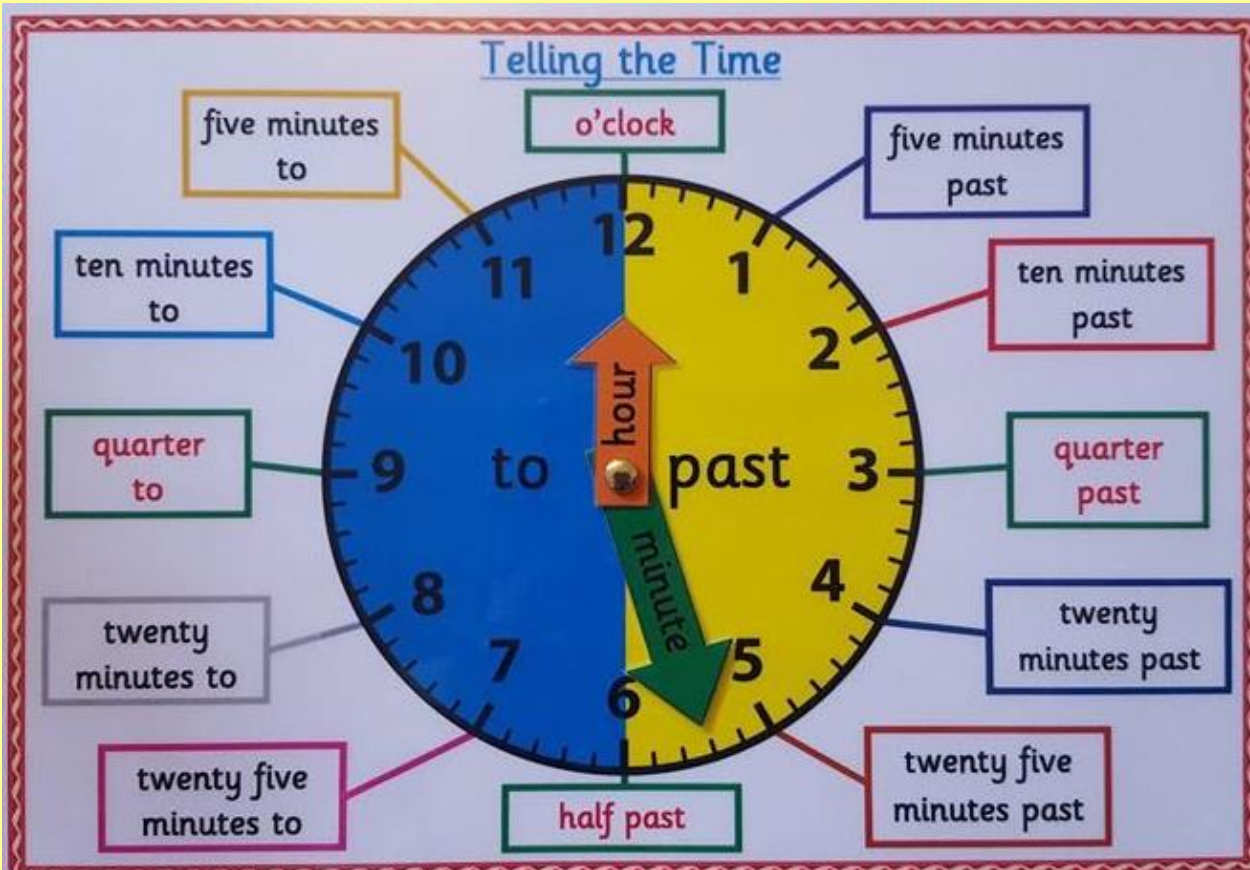


Lesson 4 - Teaching Can I tell the time?

Starter: Can you write the numbers from 1 to 12 as Roman Numerals?

IIX IX X XI IIII IIIA III IA V VI VII IIII II I Answers

Task: You will be reading times and making them on an analogue clock.



Look at this poster to remind you about telling the time.

Now print the next page and make yourself a clock.

Can you make the times shown?

Lesson 4 - Activity

Can I tell the time?

Make these times:

4 o'clock

11 o'clock

Half past 3

Half past 8

Quarter past 5

Quarter past 10

Quarter to 4

Quarter to 11

20 minutes past 7

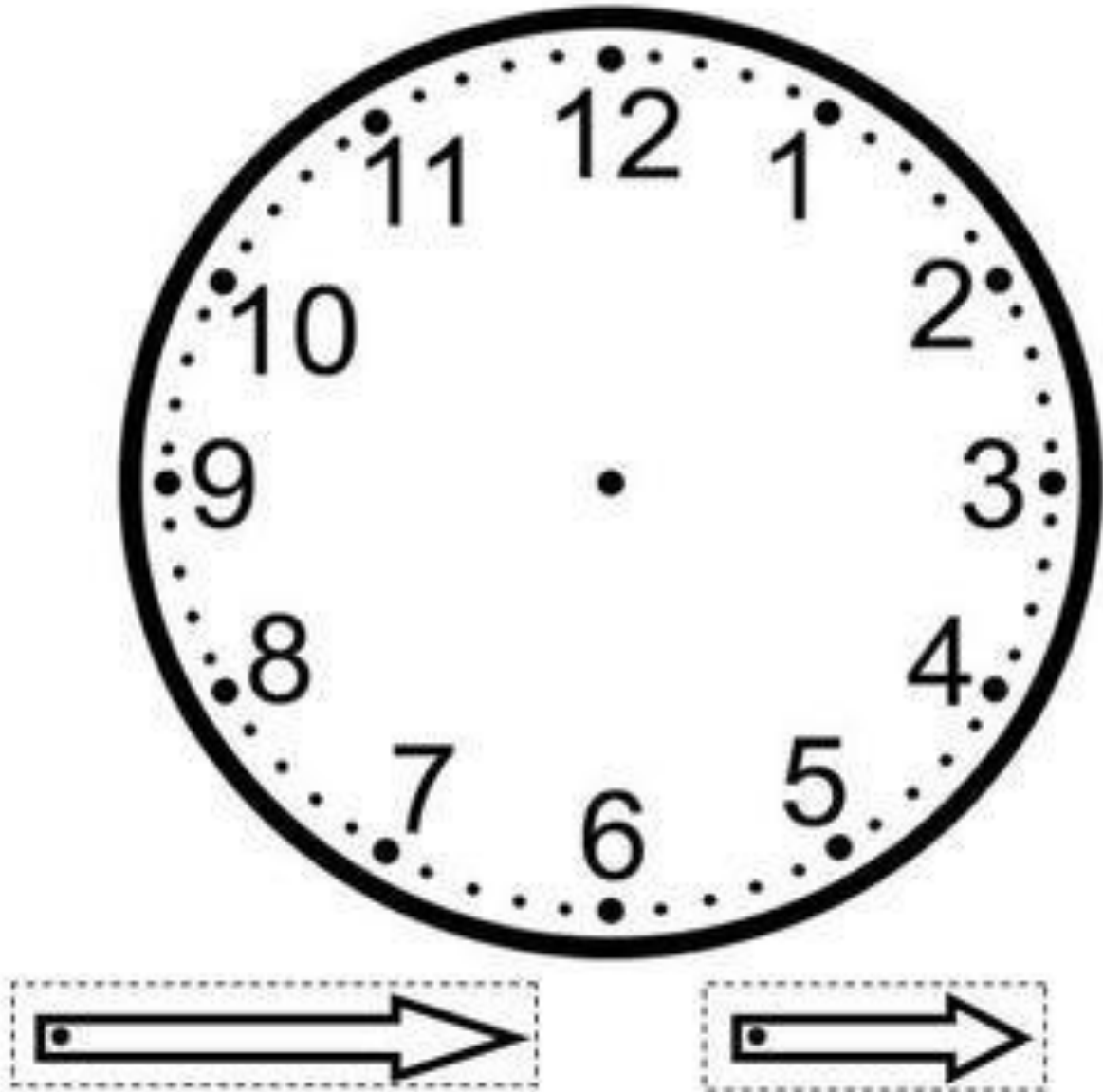
55 minutes past 2

Challenge: Can you make these digital times?

02:18

09:37

What would the other times be as digital times?



Lesson 5 - Teaching

Can I draw and write the time?

Starter: What numbers are these Roman Numerals?

XVI, XXIII, XXXVII, XLI, LXV, LXXXIV, CL, CLXXVIII

Answers 16, 23, 37, 41, 65, 84, 150, 178

Task: You will be drawing and writing times.

There are different ways to write times - you can use words or numbers.
Example:



The time on this clock can be written as:







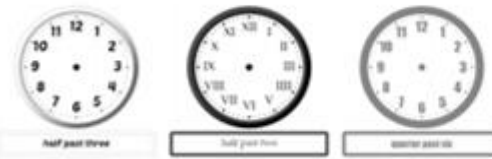





Quarter to 6.

45 minutes past 5.

05:45 a.m. or 05:45 p.m. or 17:45

Lesson 5 - Activity

Can I read and draw the time?

<p><u>Can I write times to the quarter hour? (Blue)</u></p>  	<p><u>Can I write times to the nearest five minutes? (Purple/Green)</u></p>  	<p><u>Can I write times to the nearest minute? (Yellow)</u></p>  
<p><u>Can I draw times to the quarter hour? (Blue)</u></p>  	<p><u>Can I draw times to the nearest five minutes? (Purple/Green)</u></p>  	<p><u>Can I draw times to the nearest minute? (Yellow)</u></p>  

Print one of these worksheets (pdf) to practise drawing and writing the time. When you finish, ask an adult to check your work.

For extra practise, you could look on the My Maths website. Remember the Login is **elson** and the Password is **prism**.