Commencing: Year
Group: Year 4

|  | Monday | Tuesday | Wednesday | Thursday | Friday |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Area of Learning | LC: Can you recognise negative numbers? | LC:Can you use negative numbers? | LC: Can you use roman numerals? | LC: Can | LC: Can you problem solve? |
| Activity | Starter: <br> Times Table Rockstars <br> Main: <br> Go to the following website: https://whiterosemaths.com/ <br> Find and watch Introducing negative numbers video. Pause if you need to take notes or replay sections to help with understanding. Independent Task: <br> Children to complete worksheet found in resources. | Starter: <br> Times Table Rockstars <br> Main: <br> Go to the following website: https://whiterosemaths.com/ <br> Find and watch Negative numbers video. Pause if you need to take notes or replay sections to help with understanding. Independent Task: Children to complete worksheet found in resources. | Starter: <br> Times Table Rockstars <br> Main: <br> Go to the following websit https://whiterosemaths.com/ Find and watch Roman numerals video. Pause if you need to take notes or replay sections to help with understanding. <br> Independent Task: <br> Children to complete worksheet found in resources. | Starter: <br> Times Table Rockstars <br> Main: <br> Go to the following website: <br> https://whiterosemaths.com/ <br> Find and watch 1000 more or less video. Pause if you need to take notes or replay sections to help with understanding. <br> Independent Task: <br> Children to complete worksheet found in resources. | Starter: <br> Times Table Rockstars <br> Main: <br> Today the children will apply the skills they have learnt this week to reason and problem solve questions. <br> Independent Task: Children to complete worksheet found in resources. |

## Where can I complete further work?

Twinkl - Subscription service used by schools is offering a free premium service for teachers, parents and children to use whilst schools are closed. Enter the code UKTWINKLHELPS for access to worksheets, powerpoints and interactive games to support all areas of learning.

Classroom Secrets - Free Maths, Reading and Grammar home learning packs and interactive resources for all ages.
White Rose Maths - Free Maths home learning resources for all ages. Watch the videos and try the questions.
Primary Stars - Free Maths home learning packs for Year I and 2.
BBC Bitesize Primary - Free learning resources available for KSI and KS2 across all subjects.
I See Maths - Free daily home maths lessons hosted by Gareth Metcalfe. Follow the link for videos, information and resources.
Top Marks - Free educational resources and games for English and Maths.Games - Free educational resources and games for English and Maths.

## Negative numbers

(1) Complete the number lines.
a)

b)

d)

2) Complete the temperature labels on the thermometer.

Circle the warmer temperature in each pair.
a) $\quad 2^{\circ} \mathrm{C} \quad 4^{\circ} \mathrm{C}$
b) $\quad 5^{\circ} \mathrm{C} \quad 0^{\circ} \mathrm{C}$
c) $\quad-1^{\circ} \mathrm{C} \quad 1^{\circ} \mathrm{C}$
d) $\quad-3^{\circ} \mathrm{C} \quad 0^{\circ} \mathrm{C}$
e) $\quad 4^{\circ} \mathrm{C} \quad-1^{\circ} \mathrm{C}$
f) $\quad-4^{\circ} \mathrm{C}$
$1^{\circ} \mathrm{C}$

(3)
a) Tommy is counting backwards in 1s starting from 4

Write the first five numbers that Tommy will say
$\square$
b) Annie is counting backwards in $2 s$ starting from 4

Write the first five numbers Annie will say.

c) Alex is counting forwards in 3 s starting from -4

Write the first five numbers Alex will say.
$\square$Rosie has labelled a number line.


What mistake has Rosie made?
$\qquad$
$\qquad$

5 Continue the sequences.
a) $20,15,10$, $\square$
$\square$
$\square$
b) $-10,-8,-6$, $\square$
$\square$
$\square$
c) $-7,-5,-3$, $\square$
$\square$
$\square$
d) $7,4,1$, $\square$
$\square$
$\square$
e) $75,50,25$, $\square$
$\square$
$\square$

6 The temperature in London is $5^{\circ} \mathrm{C}$
a) The temperature in Birmingham is $8^{\circ} \mathrm{C}$ warmer than London.

What is the temperature in Birmingham? $\square$
b) The temperature in Manchester is $8^{\circ} \mathrm{C}$ colder than London.

What is the temperature in Manchester? $\square$
7) Teddy is counting backwards.


What mistake has Teddy made? Talk about it with a partner.

8 Whitney is counting backwards in 10s from 37


Is Whitney correct? $\qquad$
Write the numbers she should say, to check your answer.
$\qquad$
$\qquad$

## Roman numerals

Match the numbers to the Roman numerals.

| 1 |
| :---: |
| 5 |
| 10 |
| 50 |
| 100 |


| $L$ |
| :---: |
| C |
| V |
| X |
| I |

(2) Write each number in Roman numerals.
a) $\square$
d) 55 $\square$
g) 17 $\square$
b) 12 $\square$
$\square$ h) 4 $\square$
c) $\square$ f) 89 $\square$
i) 27

(3)

Eva lives in this house.


What number does Eva live at?

Eva lives at number $\square$Jack rolls two 6-sided dice.


What is Jack's total score?

Alex rolls the same 2 dice and gets two different numbers. Her score is the same as Jack's.

What numbers could Alex have rolled?
$\square$ and $\square$

5
Write the Roman numeral in numerals and words.
a) XXIV $\square$
b) LXXI $\square$
$\qquad$
c) LXVIII $\square$
$\qquad$
d) XCVI $\square$
e) $X X V$ III $\square$ $\downarrow$
f) XCl $\square$
$\qquad$
6) Each diagram should show a number in numerals, words and Roman numerals. Complete the diagrams.


7 Complete the function machines.
a)

b)

c)

d)

e)

f)

g)


8 Complete the calculation.


How many other calculations can you write that give the same total?

Compare your answers with a partner.

COMPARE 4 DIGIT NUMBERS

## REASONING $\square$

Jane has circled the number representation that she thinks is greater than 6,548.


## PROBLEM SOLVING 1

Marlon has used 6 counters to make a digit number in the place value grid.


Using just 6 counters, can you make a number that is less than Marlon's and one $\dagger$ hat is greater than Marlon's? Write a number sentence to show your answers.


Find 5 different possibilities
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## REASONING $\square$

Four numbers have been placed in ascending order.


Find, describe and correct the error.

## PROBLEM SOLVING $\square$

Darcey has ordered five 4-digit numbers on a number line.


Her other |hreenumbersingued digitatatals 20620.


## REASONING 3

Always, Sometimes or Never?

Any number that rounds to 3,000 to the nearest 1,000 will have 3 thousands.

Explain your reasoning.


Find all possible scores for each player.

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