Year Group: Year 4

|  | Monday | Tuesday | Wednesday | Thursday | Friday |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Area of Learning |  |  | LC: Can you multiply by I and 0 ? | LC:Can you divide by I and itself | LC: Can you multiply and divide by 3 ? |
| Activity | PD Day |  | Starter: <br> Times Table Rockstars <br> Main: <br> Go to the following website: https://whiterosemaths.com/ <br> Find and watch Multiply by $I$ and 0 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 website: https://whiterosemaths.com/ <br> Find and watch Divide by I and itself video. Pause if you need to take notes or replay sections to help with understanding. <br> Independent Task: Children to complete worksheet found in resources. | Starter: <br> Times Table Rockstars <br> Main: <br> Go to the following websit <br> https://whiterosemaths.com// <br> Find and watch Multiply and divide by 3 video. Pause if you need to take notes or replay sections to help with understanding. <br> Independent Task: Children to complete worksheet found in resources. |


|  | Answers can be found in <br> resources. | Answers can be found in <br> resources. | Answers can be found in <br> resources. | Answers can be found in <br> resources. |
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| Answers can be found in <br> 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.

## Multiply by 1 and 0

1) Write a multiplication to work out the total number of strawberries.
$\square$

- 28282885
a) How many flowers are in each vase? $\square$
b) How many flowers are there in total? Complete the calculation.

(3) Circle the calculation that works out the number of apples.


[^0]$6 \times 1$
$6 \times 2$

4
How many marbles are there in total?

(5) Complete the calculations.
a) $3 \times 1=$ $\square$
e) $1 \times$ $\square$
b) $1 \times 3=$ $\qquad$
f)
 $=14$
c) $7 \times 1=$
g) $12 \times \square=0$
d) $7 \times$ $\square$
i) $1 \times$ $\square$ $=31$
6) What could the missing number be?
$0 \times \square=0$
Explain how you know.
$\qquad$
$\qquad$

7
a) Circle all the calculations that have an answer of zero.
$39 \times 1$
$95 \times 0$
$178 \times 0$
$4 \times 1$
$0 \times 16$
$8 \times 0$
$0 \times 0$
b) How did you work out which calculations to circle?
$\qquad$
$\qquad$
(8) Eva and Mo are working out some multiplication problems.
a)


What mistake has Eva made?
b)


What mistake has Mo made?
$\qquad$

Talk about your answers with a partner.
9) Work out these multiplications.
a) $2 \times 1=$ $\square$
$1 \times 4=$

$2 \times 4 \times 1=$ $\square$
b) $8 \times 1=$ $\square$

$$
8 \times 1 \times 2=\square
$$

$$
8 \times 1 \times 3=
$$

$\square$

What pattern do you notice in each part?
Talk about it with a partner.
c) What multiplication would come next in part b)?

(10) Eva and Dexter have 6 digit cards.

They multiply them all together.


What could Dexter's method be?
Talk about it with a partner.

## Divide by 1 and itself

Annie has 5 cookies and some plates.

She wants to put 1 cookie on each plate.
a) How many plates will she need? $\square$
b) Complete the calculation.

2) Annie has 5 more cookies.


She has 5 friends.
She shares the cookies equally between her 5 friends.
a) How many cookies does each child get? $\square$
b) Complete the calculation.

(3)
a) Complete the calculations.
$8 \times 1=$

$8 \div 1=$ $\square$
$13 \times 1=$ $\square$ $20 \times 1=$ $\square$
$13 \div 1=$ $\square$ $20 \div 1=$ $\square$
b) What do you notice about multiplying and dividing by 1 ?
c) Use what you have noticed to complete these calculations.

$$
\begin{aligned}
& 7 \times 1=7 \div \square \\
& 10 \div 1=10 \times \square \\
& \square \times 1=18 \div 1
\end{aligned}
$$

4. Tick all the cards that have an answer of 1


How do you know if a division has an answer of 1 ?
(5) Write $>,<$ or $=$ to compare the calculations.
a) $4 \times 0 \square 5 \div 1$
d) $13 \div 1$
 $31 \times 0$
b) $24 \times 1$

e)

c) $1 \times 9$
 $9 \div 1$
f) $10 \div 1 \square$
$10 \div 10$
(6) Work out these calculations.
a) $8 \div 4 \div 1=$ $\square$
b) $25 \div 1 \div 5=$ $\qquad$
c) $9 \times 4 \div 1=$ $\square$
9) Explain how each image shows $16 \div 1$

d) $12 \div 1 \times 4=$ $\square$
(7)

$$
Q \div V=\Delta
$$

Complete this calculation.

$$
\square \times \Delta=
$$

(8) Rosie has 14 birthday invitations.

She wants to give them out to children in her class.
Each child will get 1 invitation each.


What mistake has Rosie made?

Explain how each image shows $16 \div 1$
$\qquad$
$\qquad$

$\qquad$
$\qquad$

Multiply by 3

I Complete the sentences.


There are $\square$ equal groups of $\square$
$\square$
$\square$
$\square$
$\square$
$\square$
$\square$ $=\square$
$\square$
b)


There are $\square$ equal groups of $\square$
$\square$

$\square$
$\square$ $\times \square$
c)

There are $\square$ equal groups of $\square$
$\square$
$\square$
$\square$
$\square$
$\square$
$\square$
$\square$
Could you write the number sentences in a different way?
2) Write two multiplication sentences for each part of the question.
a)

$\square$
$\square$
$\square$
b)

| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |



3 Complete the diagram.


Complete the number line.


5


Do you agree with Dora? $\qquad$
Explain why.
$\qquad$
$\qquad$

6 Which is the odd one out?
Tick your answer.


Explain your answer.
$\qquad$
$\qquad$

Is there more than one answer?


Complete the sentences.
There are 12 cubes.
There are $\square$ plates.

Each plate has $\square$ cubes.
12 divided into $\square$ equal groups is $\square$

Mo has 15 pencils.
He shares them equally into 3 pots.

## 



How many pencils will there be in each pot?
There will be $\square$ pencils in each pot.
(3) Divide 18 counters into groups of 3 counters. Draw a picture to show what this would look like.

How many groups did you draw? $\square$

There are 27 cakes.
A box can hold 3 cakes.


How many boxes of 3 cakes can be filled?
Use the number line to help you.


5
Complete the bar model for the division $33 \div 3=11$
$\square$
Is there more than one way to do this?

6 Complete the division statements for each problem.
a) Esther has 21 balloons.

She puts them into 3 party bags.
How many balloons are in each party bag?

b) Nijah has 36 apples.

In each box there are 3 apples.
How many boxes are there?
$\square$ $\div$ $\square$ $=$ $\square$
c) 24 children stand in groups of 3

How many groups are there?
$\square$
$\square$ $=$ $\square$

7 Numbers that follow each other when you count are called consecutive numbers.

Three consecutive numbers can form a staircase.
Here is 4,5 and 6


When you add three consecutive numbers, the total can always be divided equally by 3

Is this statement correct?
Talk about it with a partner


[^0]:    $6 \times 0$

