YEAR 6 WEEKLY LEARNING MAT 10

MATHS ZONE

Keep your times table knowledge in check!
Collect points on Maths shed
https://www.mathshed.com/en-gb

Play on
https://www.topmarks.co.uk/times-tables/coconut-multiples
Choose a times table you would like to focus on or try one of the mixed challenges.

White rose maths
Summer Term - Week 6 (w/c 1st June)
https://whiterosemaths.com/homelearning/year-6/

Lesson 3 - Order FDP
Lesson 4 - Percentages of amounts

Worksheets below learning mat

Join any four numbers.
Find their total.
Joins can go up, down or sideways, but not diagonally.
The score shown is 8 + 15 + 6 + 18 = 47.

8	15	6	9
14	13	18	20
18	17	2	5
3	15	19	6

Find the highest possible score.
Find the lowest possible score.

ENGLISH ZONE

Read 'The Case of the Missing Arctic Fox and Other True Animal Mysteries for You to Solve' and use your predicting skills to guess and work out they mysteries before you get to the answer!
https://readon.myon.co.uk/reader/index.html?a=stm_cmafo_s12

Once you have finished reading, can you work out the answer to the riddle?

Some walk on two legs
Others move on four.
Still others use their wings to fly
Or their fins to soar.

They are found most anywhere—
In dirt, and sky, and sea.
There are many members in their group.
In fact, one member's ME!

It's not long till you will be starting secondary school. At Marlcliffe, we are all going to miss you lots and would love to have some happy memories to look back on!

Think of your favourite Marlcliffe memory, it could be a sports day, a trip, an achievement or a funny moment. Write an in depth recount of the memory. Try to include as much detail as possible, so your reader feels like they were there with you!

Watch the video and complete the activity to learn more about what a recount is and how it should be written. This will help you with your writing task.

https://www.bbc.co.uk/bitesize/topics/z2yycdm/articles/zgfhcj6

TOPIC ZONE

Try the BBC Y6 daily lessons
https://www.bbc.co.uk/bitesize/dailylessons

Bitesize

Try Oak National Academy lessons
https://www.thenational.academy/online-classroom

Have a go at creating a circuit with a working light bulb.
https://phet.colorado.edu/sims/html/circuit-construction-kit-dc/latest/circuit-construction-kit-dc_en.html
Once you have switched the bulb on, see what happens when you place these objects in the circuit (on the game...not in real life!)
Do they conduct electricity or not?

Read all about how laws are made in the U.K

https://www.bbc.co.uk/newsround/47029982

Once you have researched, share what you have learned with someone.
You could prepare a presentation, poster or just discuss what you found!

See if you can make a shadow puppet!

It can be any design.
https://www.youtube.com/watch?v=OsdMqNIcrls

Can you share your learning on your class page

twitter

Keep your eye on the school blog for more fun activities to keep you busy!

Order FDP

1 Write <, > or = to complete the statements.

a) 64% ◯ 0.46

b) 0.96 ◯ $\frac{97}{100}$

c) $\frac{3}{5}$ ◯ 35%

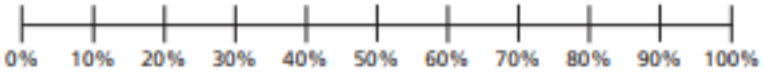
d) 0.8 ◯ 80%

e) 67% ◯ $\frac{7}{10}$

f) $\frac{7}{20}$ ◯ 0.3

2 Draw arrows to estimate the positions of the fractions, decimals and percentages on the number line.

a) 9% $\frac{9}{10}$ 0.99 19%



b) $\frac{2}{5}$ 0.52 45% 0.2

3 Write the fractions, decimals and percentages in ascending order.

a) $\frac{7}{10}$ $\frac{13}{100}$ 21% 0.9

b) 0.6 61% $\frac{37}{50}$ 0.66

c) 47% 0.89 $\frac{63}{100}$ 12%

d) Which part was easiest to order: a), b) or c)? _____

Why?

e) Which set was most difficult to order: a), b) or c)? _____

Why?

f) Compare answers with a partner.

What is the same and what is different?

4 These fractions, decimals and percentages are in descending order.

99% $\frac{89}{100}$ 0.7 [ ] 0.5 49%

Tick the fractions, decimals and percentages that could fill the gap.

0.78	51%	$\frac{3}{5}$	0.6	$\frac{4}{10}$

5 Tommy scored $\frac{40}{50}$ on a Maths test.

Aisha got 78% of the test correct.

Aisha thinks she has done better because 78 is greater than 40

Do you agree with Aisha? _____

Explain your answer.

_____

_____

6 Huan, Nijah and Scott each started with a 1-litre bottle of juice.

Huan drank 0.55 litres.

Nijah drank 59% of her juice.

Scott has $\frac{4}{10}$ of his juice left.

Who drank the most? Show your working.

_____ drank the most.

Who drank the least? Show your working.

_____ drank the least.

7 **a)** Use the digit cards to make the statement correct.

1	2	3	4	5	6	7	8	9	10

$0.3 < \frac{\square}{10} < 80\%$

How many different solutions can you find?

_____

b) Use the digit cards to write a percentage greater than $\frac{2}{5}$ but less than 75%.

0	2	3	4	6	7

$\frac{2}{5} < \square < 0.75$

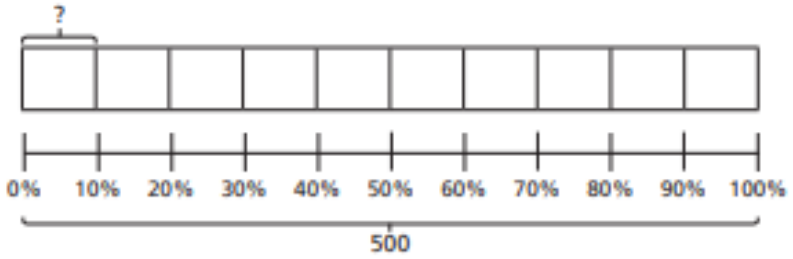
How many different percentages can you find?

_____

Compare answers with a partner.

Percentage of an amount (2)

1 **a)** Use the bar model to find 10% of 500



10% of 500 = ☐

b) Use your answer to part a) to help you complete the calculations.

20% of 500 = ☐ 70% of 500 = ☐

90% of 500 = ☐ 60% of 500 = ☐

30% of 500 = ☐ 100% of 500 = ☐

2

Use Dora's method to complete the calculations.

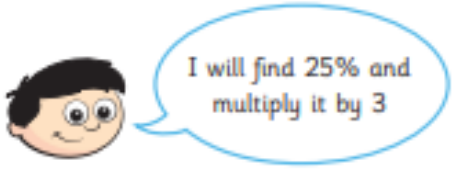
a) 5% of 40 = ☐ **d)** 5% of 2,000 = ☐

b) 5% of 400 = ☐ **e)** 5% of 6,000 = ☐

c) 5% of 4,000 = ☐

What do you notice about your answers?

3 Some children are asked to find 75% of 340



a) Use Dexter's method to find 75% of 340

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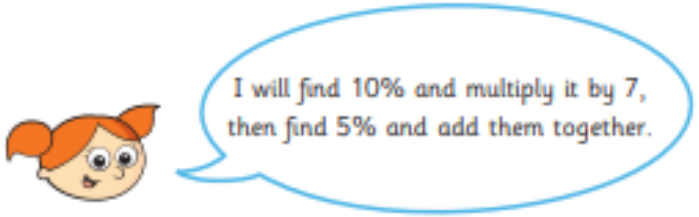
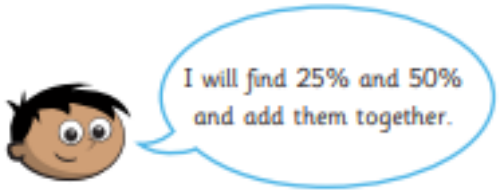


b) Use Alex's method to find 75% of 340

☐



c) Use Amir's method to find 75% of 340

d) Are there any other methods you could use?

4 Talk to a partner about different methods for finding these percentages.

20% 90% 60% 15% 55% 40%

Use your preferred method to calculate the percentages.

a) 20% of 1,000 =

20% of 550 =

20% of 40 =

b) 90% of 1,000 =

90% of 4,230 =

90% of 90 =

c) 60% of 1,000 =

60% of 400 =

60% of 98 =

d) 15% of 1,000 =

15% of 300 =

15% of 30 =

e) 55% of 1,000 =

55% of 4,400 =

55% of 8 =

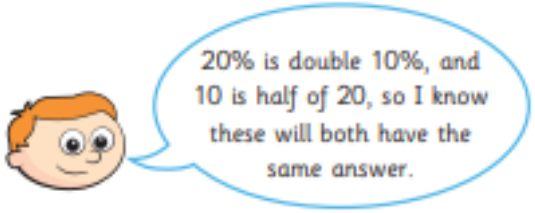
f) 40% of 1,000 =

40% of 400 =

40% of 98 =

5 Ron is calculating these percentages.

10% of 20 20% of 10



How does Ron know this?

6 **a)** Complete the calculations.

20% of 40 = 25% of 60 =

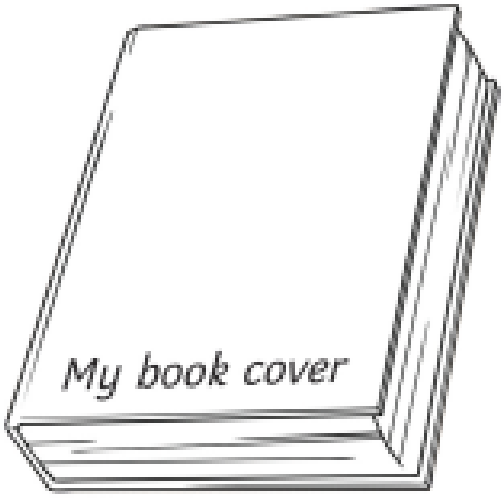
40% of 20 = 60% of 25 =

b) What do you notice about the answers?

c) Does this always happen? Investigate with other examples.

d) Talk about your findings with a partner.

Book Review



Book Title

_____

Author _____

Illustrator _____

Genre (tick as many as apply to your book)

o fiction	o scary	o animal story
o non-fiction	o fairy tale	o biography
o fantasy	o adventure	o historical
o humour	o sports	o mystery
o other _____		

Plot

Event 1 _____

_____

_____

Event 2 _____

_____

_____

Event 3 _____

_____

_____

Setting

_____

_____

Picture of the setting

Character

Name _____

Personality _____

_____

_____

Physical Appearance _____

_____

How I feel about this character and why: _____

_____

_____

_____

Cause and Effect *of one of the events in the book*

Cause	Effect

My Star Rating

Why I rated the book _____ stars

_____

_____

_____

This book made me feel

_____ because

_____

_____

_____

draw how you felt!