Year 2-Year 3

Summer Transition Activity Booklet

Mathematics

Lake Farm Park Academy

Name: _____

Instruction

The aim of this activity booklet is to develop key areas of Mathematics to support knowledge and confidence in preparation for Year 3. Each week there will be the following:

Timetable

Week	Mathematics Focus
1	Addition, subtraction and number sequences.
2	Place value, portioning and multiplication.
3	Division and money.
4	Fractions and time.
5	Measurement and shape.
6	Statistics.

Remember to bring your completed pack with you on your first day in Year 3!

Week 1

Can you solve these addition problems?

59 + 37 = _____	48 + ____ = 71
14 + 6 + 22 =	12 + 15 + 5 =
46 + 29 =	52 plus 43 =

What method could you use? What patterns can you see to help you answer these questions?

Can you solve these subtraction problems?

84 – 36 =	56 - ____ = 18
26 – 13 – 2 =	31 subtract 24 =
42 – 15 =	66 minus 29 =

What method could you use? What patterns can you see to help you answer these questions?

Can you solve these word problems?

There are 37 girls and 56 boys in the school. How many children are there? 	There are 89 children, 45 are girls. How many boys are there? 
There are 112 people in the swimming pool. 34 leave, how many are left?	There are 67 cabbages. The slugs eat 56. How many are there now?

Week 1

Number Sequences

Complete these number sequences and write the rules below:

2 4 6 8 __ __
Rule: (eg add 2)

5 10 15 __ __
( )

10 20 30 __ __
( )

12 9 6 __ __
( )

2 5 8 __ __
( )

11 9 7 __ __
( )

3 7 11 __ __
( )

18 16 14 __ __
( )

3 6 9 __ __
( )

Fill in the missing numbers and extend the sequences:

4 6 __ 10 __ 14 __ __

__ 20 25 30 __ 40 45 __ __

4 7 __ 13 16 __ 22 __ __

__ 22 33 __ 55 __ 77 __ __

30 25 __ 15 __ 5 __

5 9 13 __ 21 __ 29 __ __

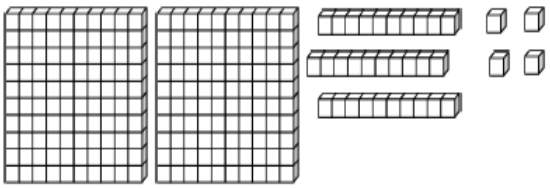
__ 80 70 __ __ 40 __ __

13 15 17 __ 21 __ 25 __ __

Week 2

Use base 10 counters to recognise the place value of each digit in a 3-digit number.

For example



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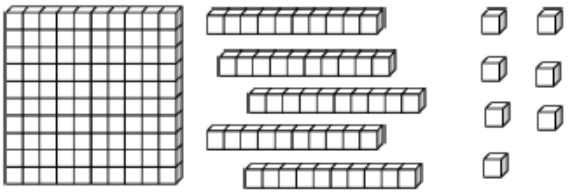
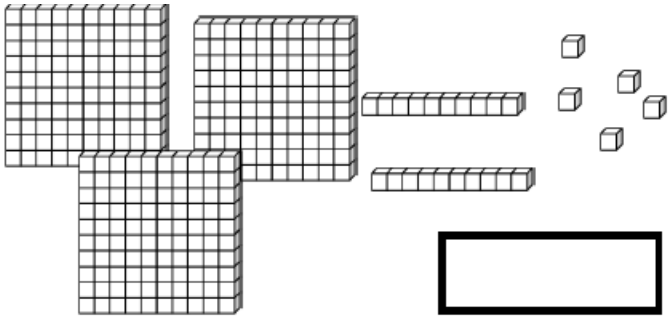
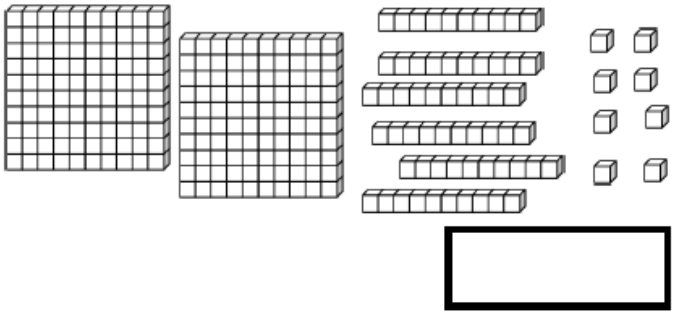




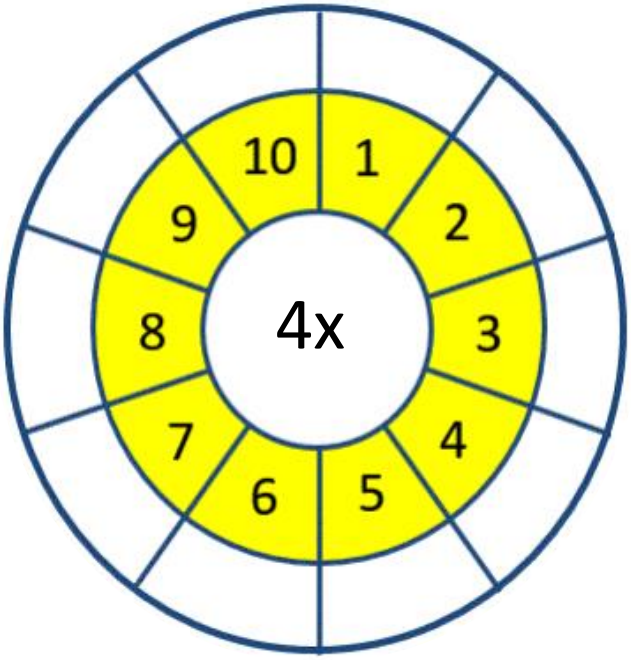


Partition these numbers. The first one has been done for you.

187	=	100	+	80	+	7
782	=		+		+	
724	=		+		+	
866	=		+		+	
421	=		+		+	
945	=		+		+	
820	=		+			
238	=		+		+	

Week 2

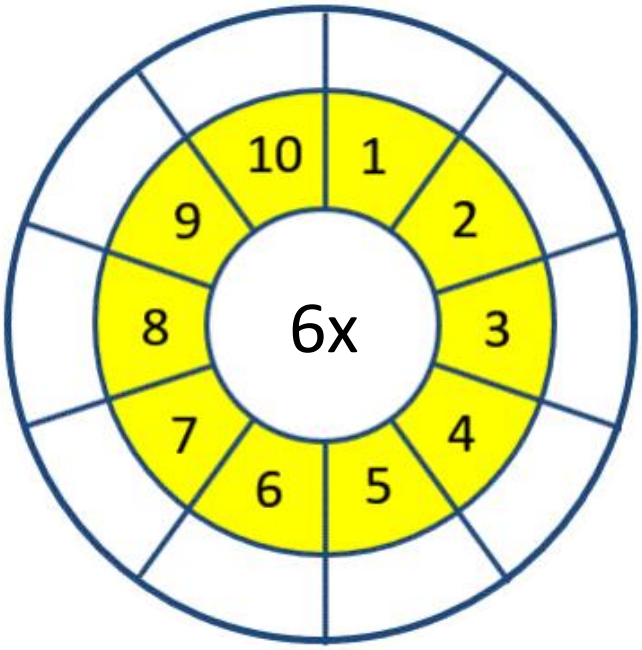
Complete these multiplication facts.

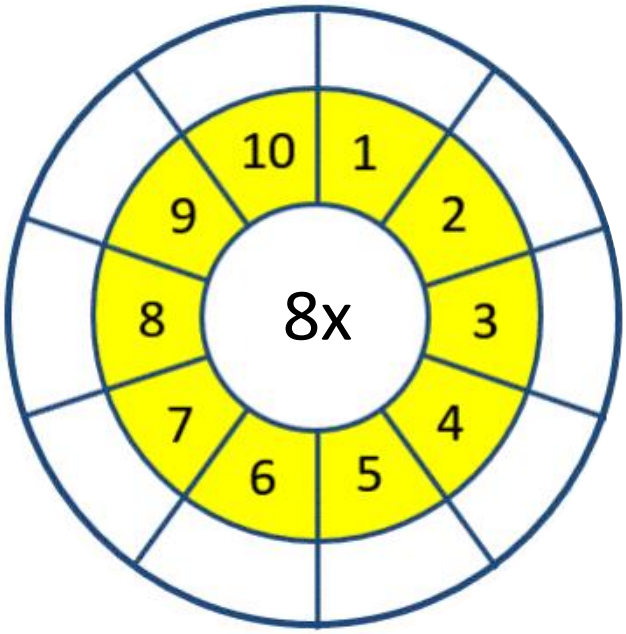


What strategy can you use to help you?

What do you already know that can help you with the new times tables?

What pattern do you notice?





Week 3

Work out!

21 ÷ 3 =	28 ÷ 3 =
8 ÷ 4 =	12 ÷ 6 =
28 ÷ 2 =	18 ÷ 6 =
120 ÷ 10 =	20 ÷ 4 =
75 ÷ 5 =	28 ÷ 4 =

There are 28 children in a class. Each table will seat 4 children. How many tables are needed?

Circle the numbers that you cannot divide equally by 2,

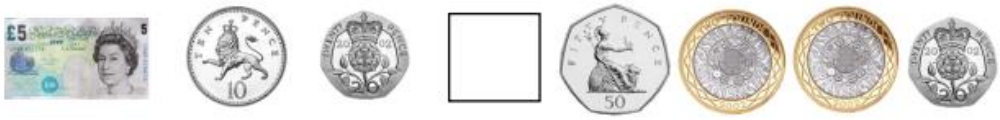
14	20	(21)	6
3	22	12	5
19	8	100	101

What do you notice about the numbers you cannot divide by 2?

Week 3

Complete these money problems.

Complete the statement using < , > or =



How much money does the jar contain?

The jar contains £_____ and ____ p.

BAILEYS

BURGER BAR

HAMBURGER	£1.00
CHESSEBURGER	£1.50
HOT DOG	80P
MILKSHAKE	50P
COLA	40P

Matthew orders a hamburger and an ice cream.
How much will his order cost? _____
Matthew pays with £2.00. How much change will he have? _____

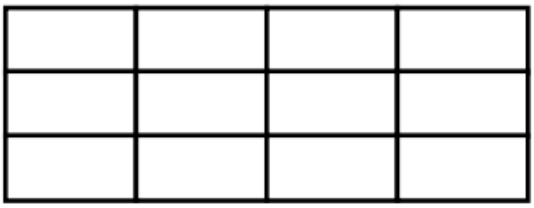
Jessica buys 2 hamburgers and 1 cola
How much will this order cost? _____
How much change will Jessica get if she pays with £5.00? _____

Complete the fraction problems

Lucas ate $\frac{2}{3}$ of the cakes.

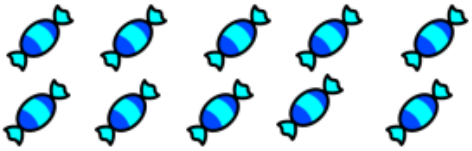
How many cakes did he eat?

Shade $\frac{1}{4}$ of this shape.



What fraction of the stars have been circled?

Milly ate $\frac{2}{5}$ of these sweets. How many sweets did she eat?

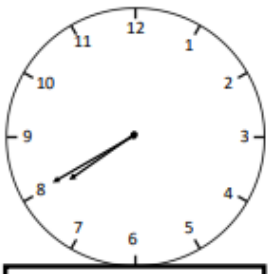


Tick all the shapes that have $\frac{1}{3}$ shaded.

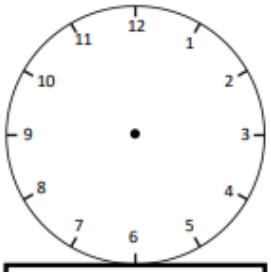
Shade $\frac{1}{3}$ of this shape.

Week 4

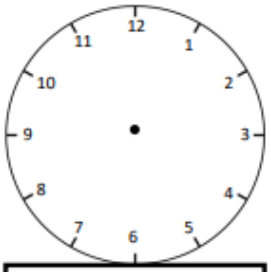
Draw the hands to show the time.



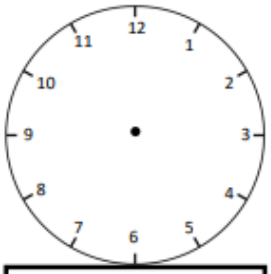
twenty minutes to eight



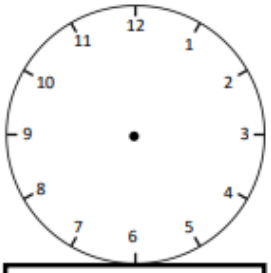
quarter past six



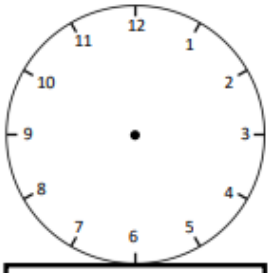
ten minutes past one



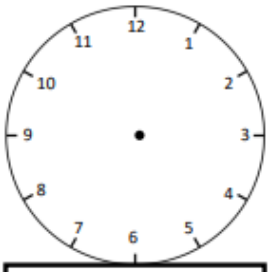
five minutes to nine



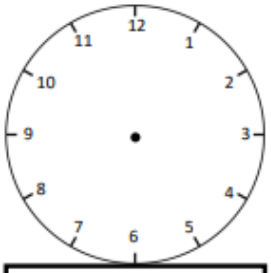
quarter to one



half past four

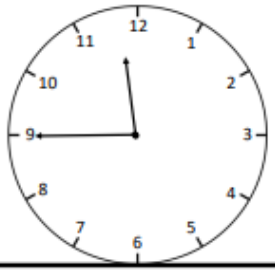


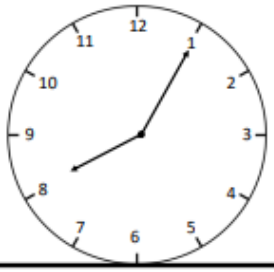
twenty-five minutes to three

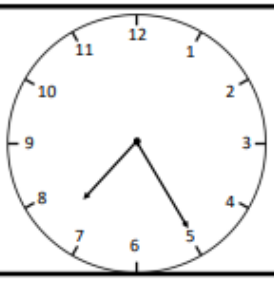


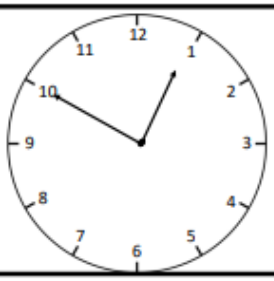
quarter to eleven

Write the time in words and numbers e.g **10 past 8** is the same as **8:10**









Key words

one
two
three
four
five
six
seven
eight
nine
ten
eleven
twelve

twenty
twenty-five

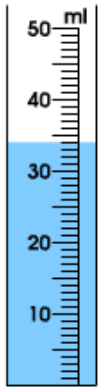
quarter
half
o'clock

to
past
minutes

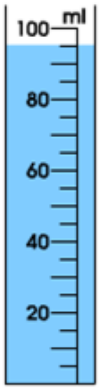
Week 5

1. State the *capacity* shown in *ml*, for each of the following:

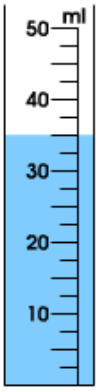
a)



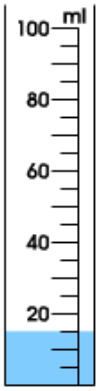
b)



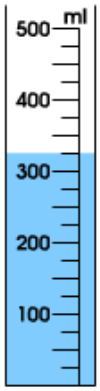
c)



d)



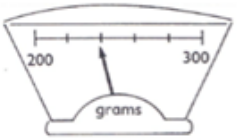
e)



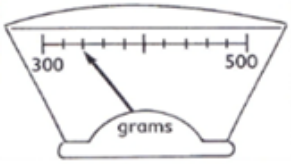
2. State the *weight* shown, in g, for each of the following:

a)

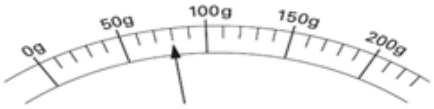
b)

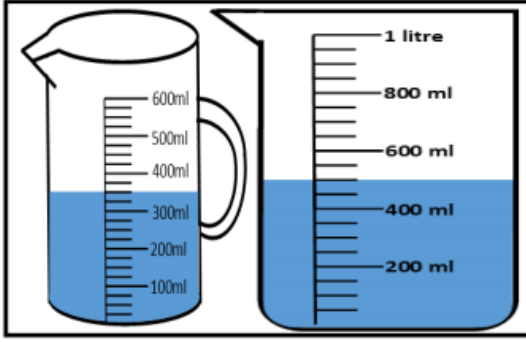


c)



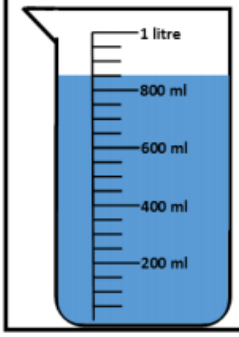
d)





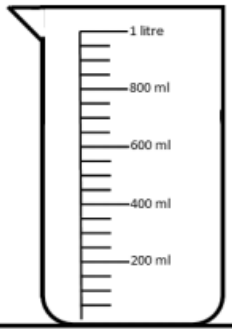
How much **more** water is there in the second jug than the first?

ml



How much water is in the jug?

ml



Trinity pours out 300ml of water from the jug. Draw an arrow to show the new level of water.

Week 5

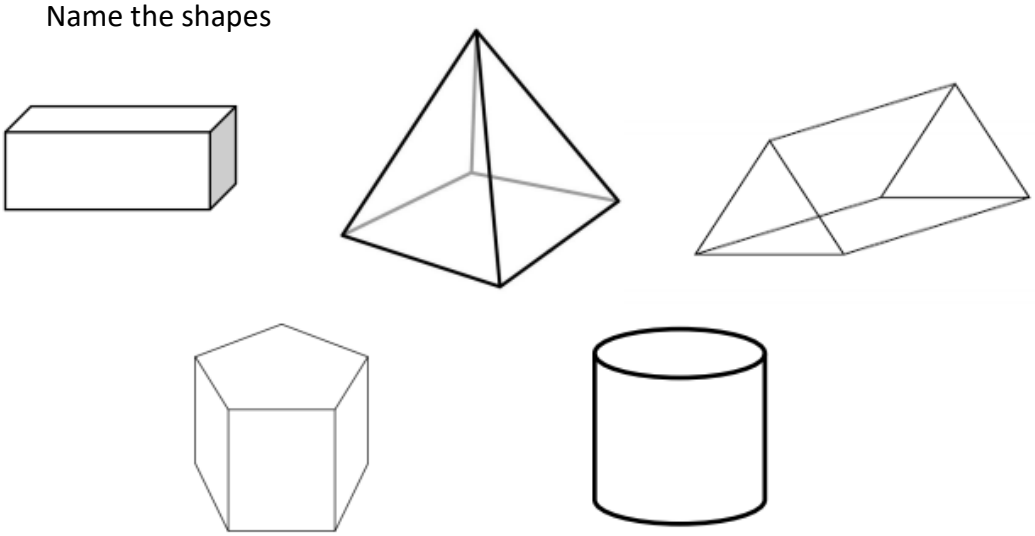
Riley is thinking of a 3-D shape.

He says, "My shape has **five faces**.

Two faces are **triangles** and **three** faces are **rectangles**."

Tick the shape he is thinking about.

Name the shapes

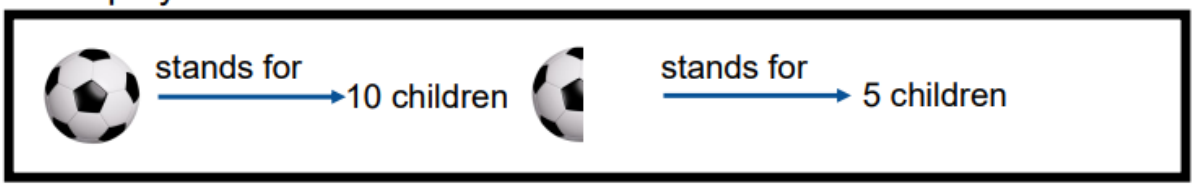


Here is a centimetre grid.

Draw a **rectangle** whose **longer sides** are **7cm**. Use a ruler.

Week 6

The pictogram shows how many children played football at playtime in a week.



day	number of children
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	

1	How many played on **Monday**?
2	How many played on **Tuesday**?
3	On which day did **25** people play football?
4	How many **more** played on **Friday** than **Thursday**?
5	How many played on Monday **and** Tuesday combined?
6	Which day had the **second highest number** of children playing football?

Week 6

The children have been **sorted** depending on whether they like **pizza** and **chips**.
However, **one** of them is in the **wrong box** and another one is **missing**.
Can you **fix** the Carroll diagram?


I **like** pizza **and** chips

Ben


I **like** chips, but I **don't like** pizza

Danny


I **like** pizza, but I **don't like** chips

Jill

	likes pizza	**does not like pizza**
likes chips	Ben	Danny Jill
does not like chips	Jack	Mariam


I **don't like** pizza **or** chips

Mariam

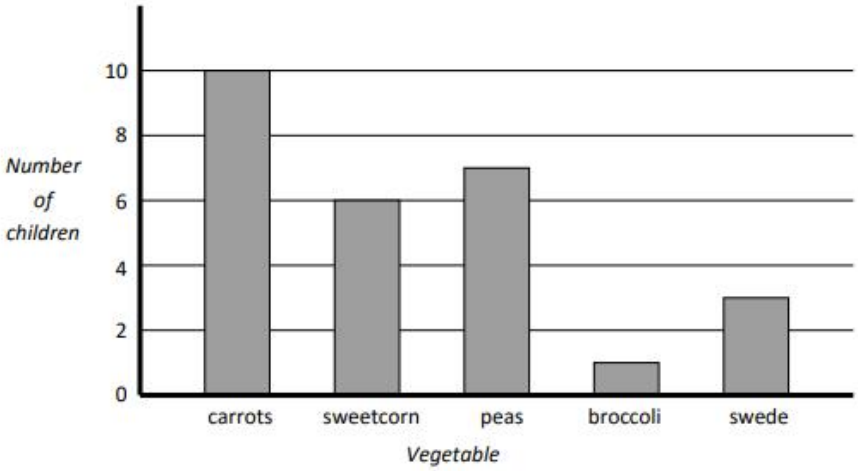

I **don't** like chips, but I **love** pizza!

Jack


I **like all** food

Omar

Mr Burch's class did a survey of their favourite vegetables. Here are their results.



How many children chose **sweetcorn**? ☐ How many children chose **swede**? ☐

How many more children chose **carrots** than **broccoli**? ☐

Three girls chose **peas**. How many boys chose **peas**? ☐

How many children took the survey? ☐