

# Plattsburg Public School Learning from Home

## Purple Numeracy

## *Awabakal*



Dear parents,

If any task is proving difficult your child may leave it and move on. There is no need to cause frustration in the house.

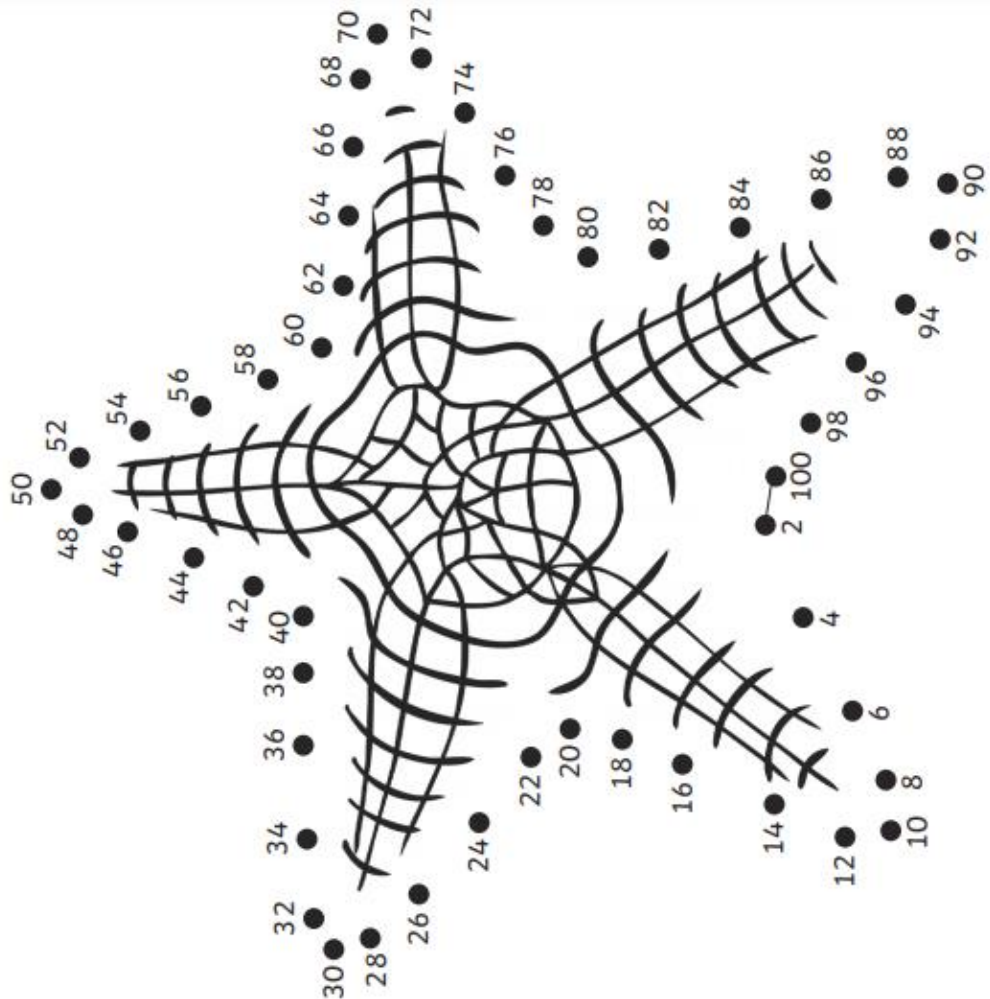
If the Physical Challenge is exhausting, please stop.

Hopefully see you all soon.

Mr H

# Monday

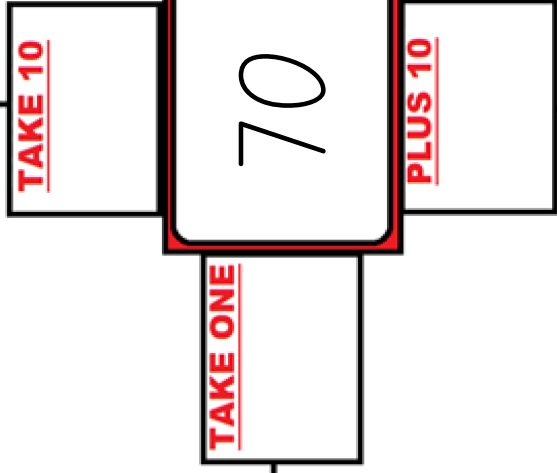
Join the dots to reveal the full picture!



Physical Challenge: "Friends of 10 Clean Up." Have someone say 2 numbers, if those 2 numbers are friends of 10, race off and put something you have left out back where it goes. Too easy? Do Friends of 20 again or Friend of Any 10.

How did you get there - Number Sentence

Code

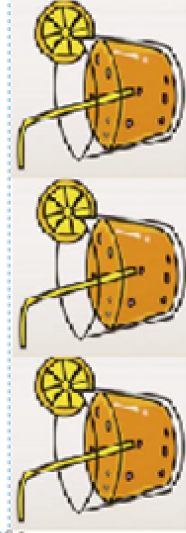


Written as Words

Skip count on by 2's

*How far can you go?*

**Joey drinks 3 glasses of juice every day. How many glasses will he drink in 2 days.**



**Your nan wants 20 jars of jam. She has 18 already, how many more does she need?**

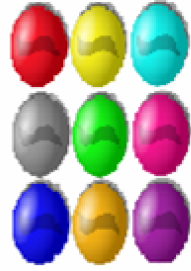


$42+5 =$

$37-4 =$

$38+4 =$

**Tayla had 20 marbles and found 9 more. How many does she have now?**



**Count how much money you have.**



**Complete the following sequences:**

a) 15, 20, \_\_, 30, 35, \_\_, \_\_, 50, 55

b) 10, 20, \_\_, 40, 50, \_\_, \_\_, 80, 90

c) 22, 24, 26, \_\_, \_\_, 32, 34, \_\_, 38

d) 55, 50, 45, \_\_, 35, \_\_, \_\_, 20, 15

# Place Value

Circle the numbers that have an 8 in the ones place.

18 21 28 90 87 48 80 43 58 12 57

Circle the numbers that have a 1 in the tens place.

21 14 78 41 17 19 76 10 51 69 11

Circle the numbers that have a 2 in the ones place.

24 15 12 14 32 17 28 52 62 91 28

Circle the numbers that have a 5 in the tens place.

54 19 59 95 25 50 51 15 67 11 26

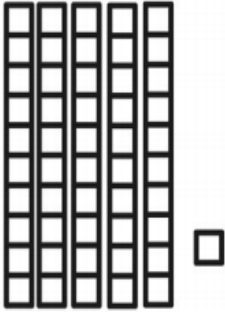
Circle the numbers that have a 7 in the ones place.

47 23 67 34 76 77 18 17 44 96 71

# Place Value

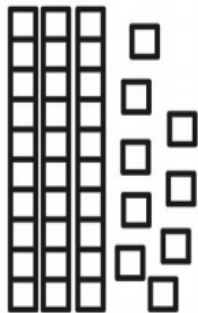
Write how many groups of tens and ones there are.

**The first one was started for you.**



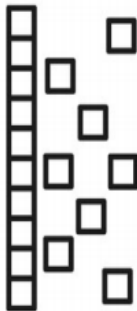
**5** tens **1** ones

$$\underline{50} + \underline{1} = \underline{\quad}$$



\_\_\_\_\_ tens \_\_\_\_\_ ones

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$



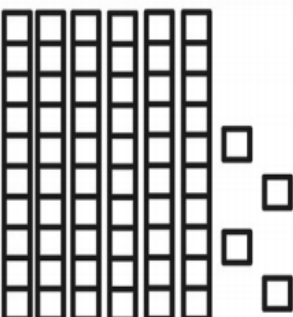
\_\_\_\_\_ tens \_\_\_\_\_ ones

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$



\_\_\_\_\_ tens \_\_\_\_\_ ones

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$



\_\_\_\_\_ tens \_\_\_\_\_ ones

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

# Tuesday

Try this dot to dot challenge and see if you can complete it before the end of your journey to discover what the picture is.



Physical Challenge: Throw scrunched up socks into the laundry basket skip counting by 2 then 5 then 10. Record your best scores. Skip count by 2: \_\_\_\_\_. Skip count by 5: \_\_\_\_\_. Skip count by 10: \_\_\_\_\_.

How did you get there - Number Sentence

Code

Written as Words

Skip count on by 2's

TAKE 10

TAKE ONE

PLUS ONE

PLUS 10

82

*How far can you go?*



**Mrs. Rebecca had 12 bagels and she ate 7 of them. How many does she have left?**



**There are 4 eggs in a box. How many eggs are in 3 boxes?**

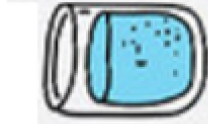


$$35+4 = \boxed{\phantom{00}}$$

$$38-5 = \boxed{\phantom{00}}$$

$$29+3 = \boxed{\phantom{00}}$$

**Sarah drinks 15 cups of water and then drinks 8 more. How many cups did she drink?**



**Count how much money you have.**



**Complete the following sequences:**

a) 90, \_\_, 70, 60, \_\_, \_\_, 30, 20, 10

b) 35, 40, 45, \_\_, \_\_, 60, 65, \_\_, 75

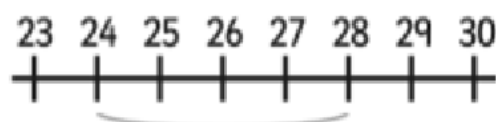
c) 30, 32, 34, 36, \_\_, \_\_, 42, \_\_, 46

d) 10, 20, \_\_, \_\_, 50, \_\_, 70, 80, 90

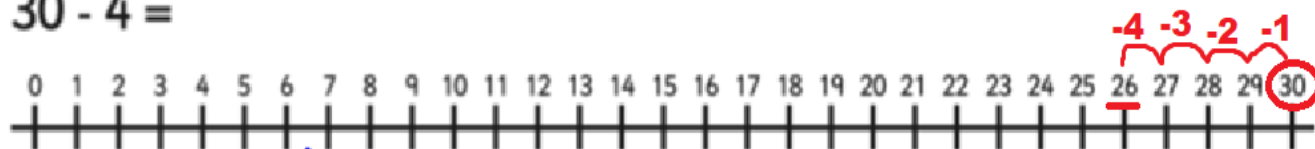
# Subtraction from 30 with a Number line

$$\underline{28} - 4 = \textcircled{24}$$

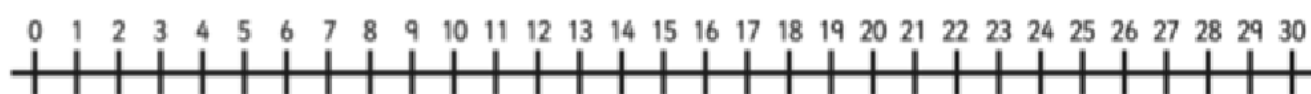
Example:



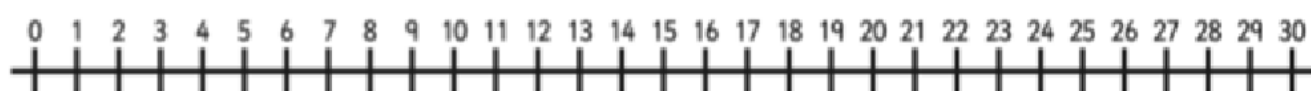
$$30 - 4 =$$



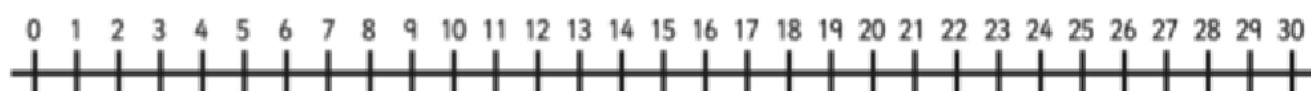
$$20 - 4 =$$



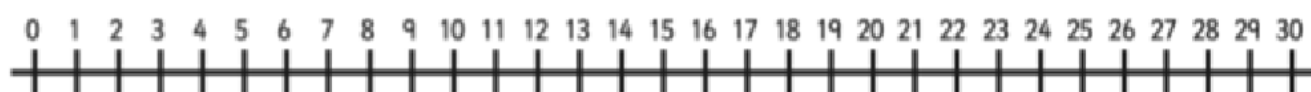
$$25 - 4 =$$



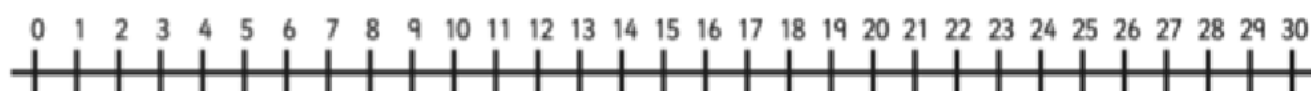
$$15 - 4 =$$



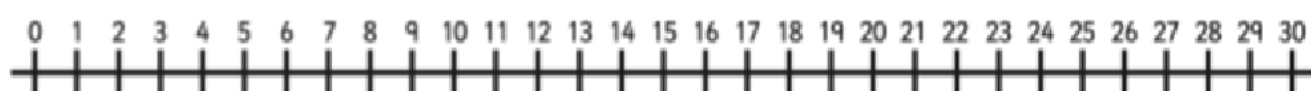
$$29 - 1 =$$



$$23 - 3 =$$

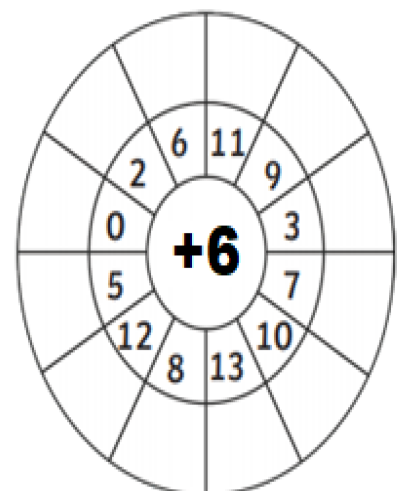
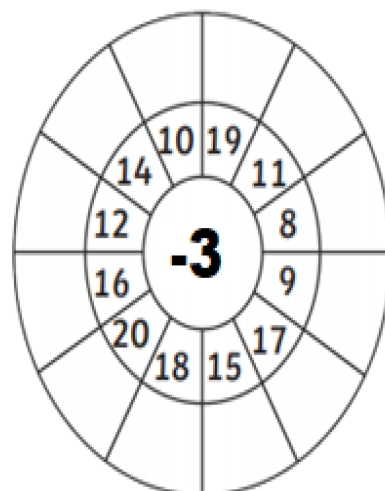
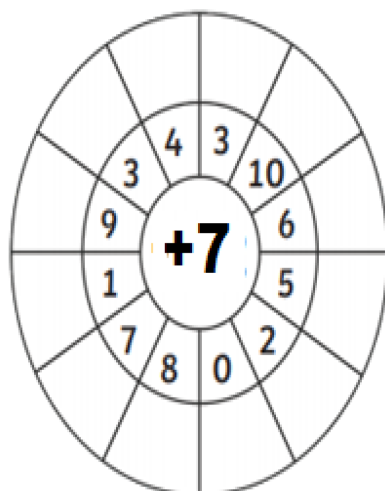
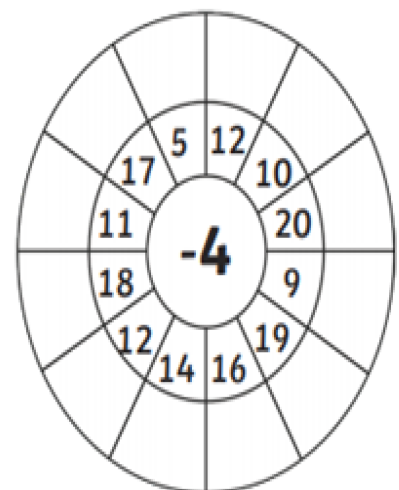
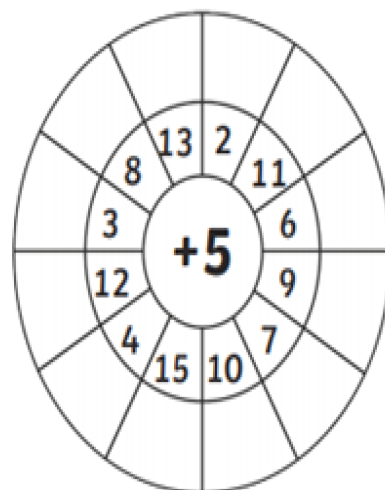
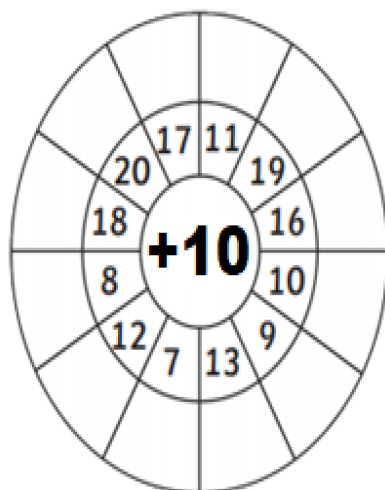
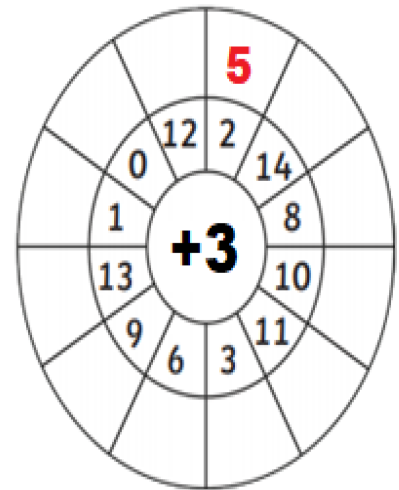
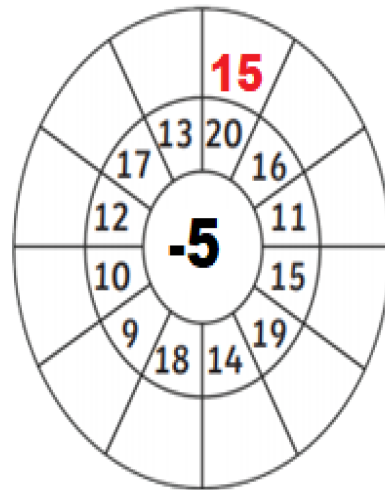
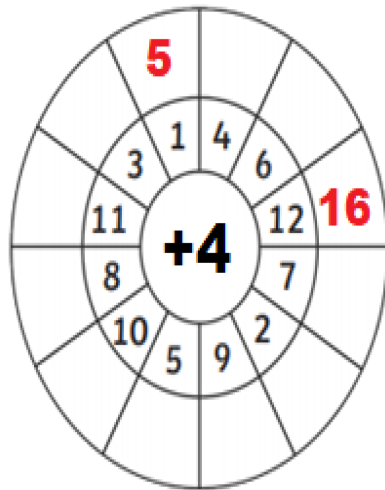


$$27 - 5 =$$



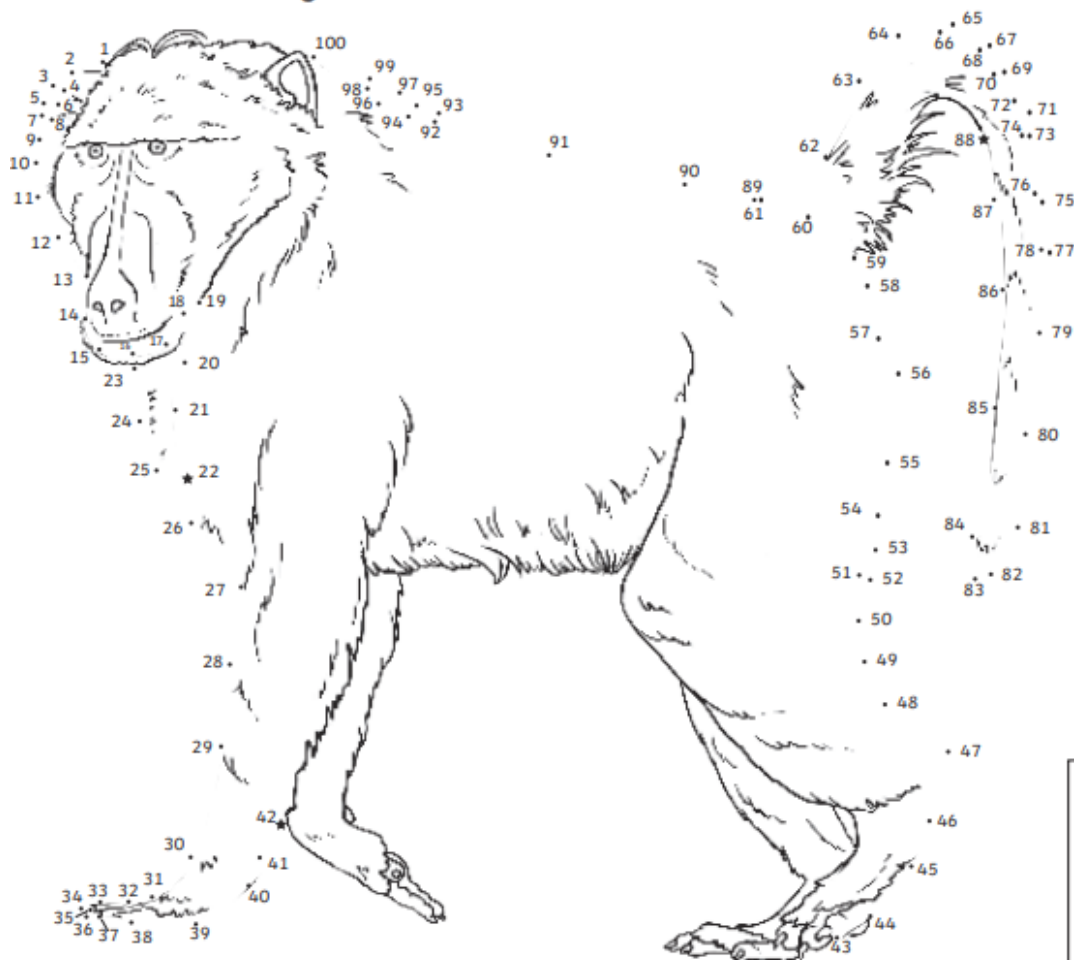
# Addition and Subtraction Wheels

Add or subtract the middle number to make an answer. Some have been done for you!



# Wednesday

## South African Animal dot-to-dot to 100



**Tip:**  
When you get to a ★,  
lift your pencil and  
find the next number to  
start again

How did you get there - Number Sentence

Code

Written as Words

Skip count on by 2's

TAKE 10

TAKE ONE

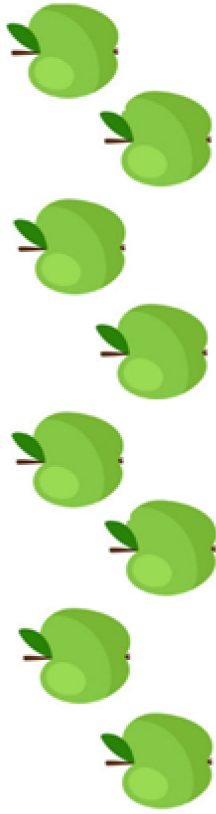
PLUS ONE

PLUS 10

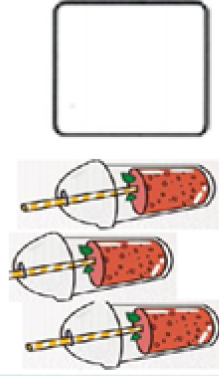
78

*How far can you go?*

**Sam ate 10 apples on Monday, 2 apples on Tuesday and 8 more on Wednesday. How many did he eat in total?**



**It costs \$5 for a milkshake. How much would it cost for 3 shakes?**



$$52+3 = \boxed{\phantom{00}}$$

$$45-4 = \boxed{\phantom{00}}$$

$$27+4 = \boxed{\phantom{00}}$$

**Sam ate 10 apples on Monday, 2**

**apples on Tuesday and 8 more on**

**Wednesday. How many did he eat in**

**total?**

**Bella needs to read for an hour. She had already read for 50 minutes. How much longer must she read for?**



**Count how much money you have.**



**Complete the following sequences:**

a) 60, 55, 50, 45, \_\_, \_\_, 30, 25, \_\_

b) 12, 14, 16, \_\_, \_\_, 22, 24, \_\_, 28

c) 80, 70, \_\_, \_\_, 40, \_\_, \_\_, 10, 0


d) 36, 34, 32, \_\_, 28, \_\_, \_\_, 22, 20

# Area.

Area is the space inside a flat surface. To find how big an area is we can place objects on top of the surface and count how many it takes to cover that surface.

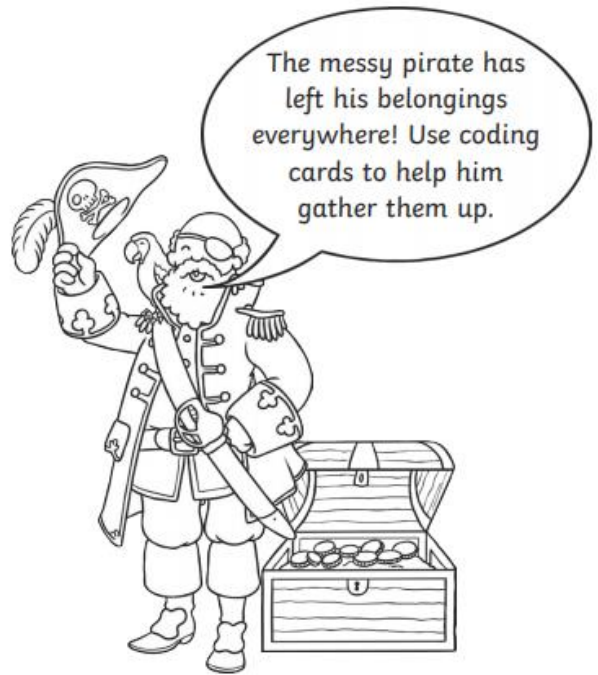
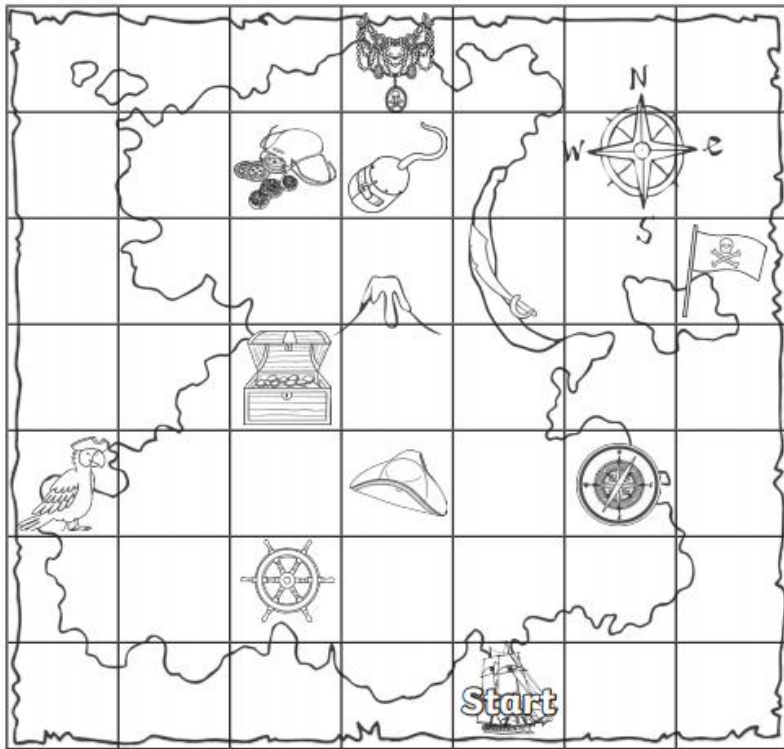
I can measure the area of a flat surface by counting how many objects it takes to cover the surface.

WILF Lay your socks out over an area and count how many it takes to cover the surface without big gaps or stacking up socks.

Object	Estimate (guess how many)	Measurement (How many did you count?)
Tabletop	30	 18
A shirt		
Pillow top		
This page		
A book		
A seat on a chair		
A tea towel		
One of your own		

If you do not have as many socks as Mr H you can swap them for playing cards, dominoes or any objects that are the same size.

# Treasure Map Coding



1

Treasure Map Coding Command Cards

Start



forward



forward



forward



forward

I have found...



2

Treasure Map Coding Command Cards

Start



forward



forward



right turn



forward

I have found...



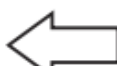
3

Treasure Map Coding Command Cards

Start



forward



left turn



forward



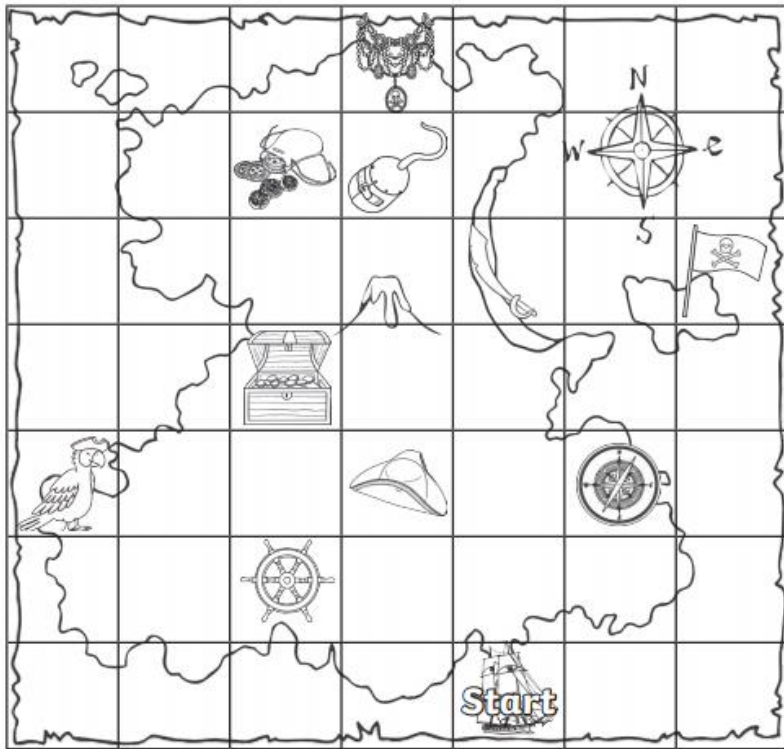
forward

I have found...





# Treasure Map Coding



The messy pirate has left his belongings everywhere! Use coding cards to help him gather them up.



**4** Treasure Map Coding Command Cards

I have found... ★

Start

↑   ↑   ←   ↑

forward   forward   left turn   forward

**5** Treasure Map Coding Command Cards

I have found... ★

Start

↑   ↑   ←   ↑   ↑   ↑   ↑

forward   forward   left turn   forward   forward   forward   forward

**1** Treasure Map Coding Command Cards

I have found... ★★

Start

↑   ↑   ↑   ←   ↑   ↑   →   ↑   ↑

forward   left turn   forward   right turn   forward



*I can make the number you say.*

*Physical Challenge: Number Race. Set out your number cards at one end of the room or yard if your allowed outside. Have an adult say any number. You need to race to your card and build that number and race back.*

*Write the numbers you made.*


Cut out these cards to then make the numbers.

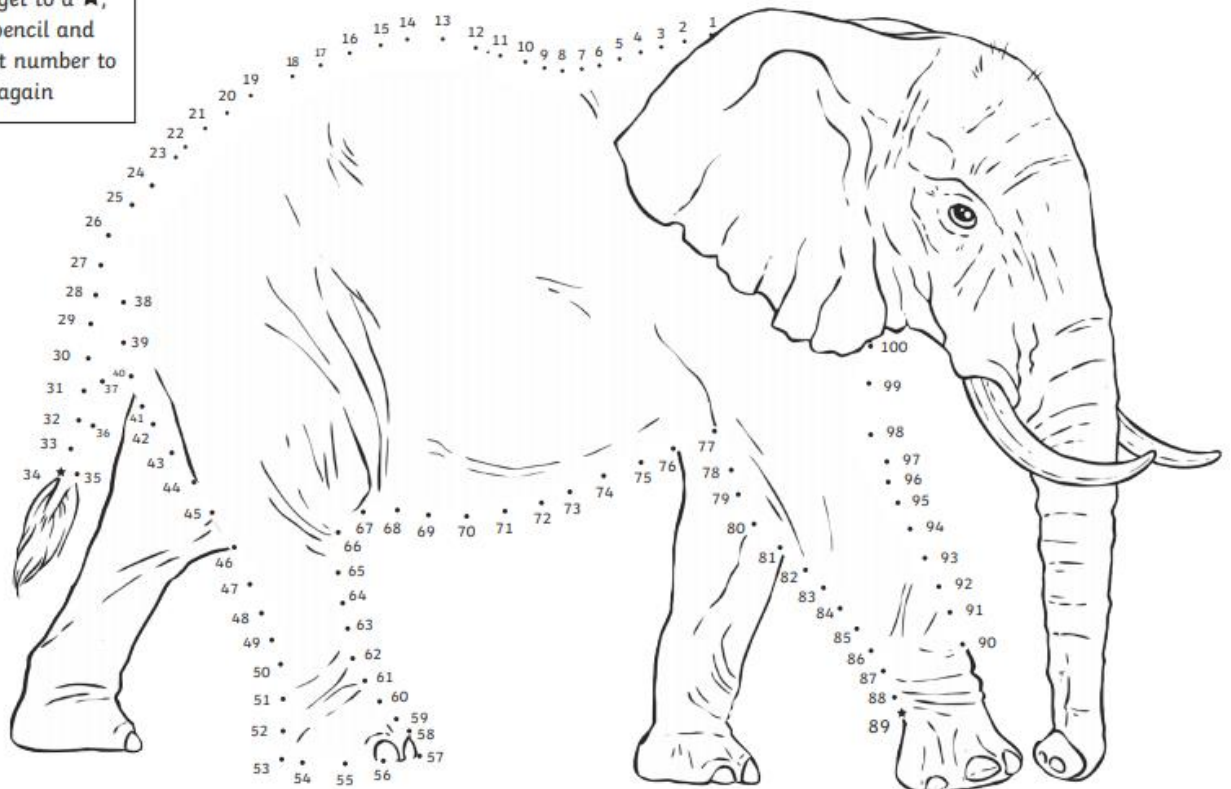
0	1	2	3	4
5	6	7	8	9
0	1	2	3	4
5	6	7	8	9

# Thursday

**Tip:**

When you get to a ★,  
lift your pencil and  
find the next number to  
start again

## South African Animal dot-to-dot to 100



*Physical Challenge: Try to count backwards from 100 as you throw and catch a ball. Too easy? Try to clap your hands before you catch the ball.*

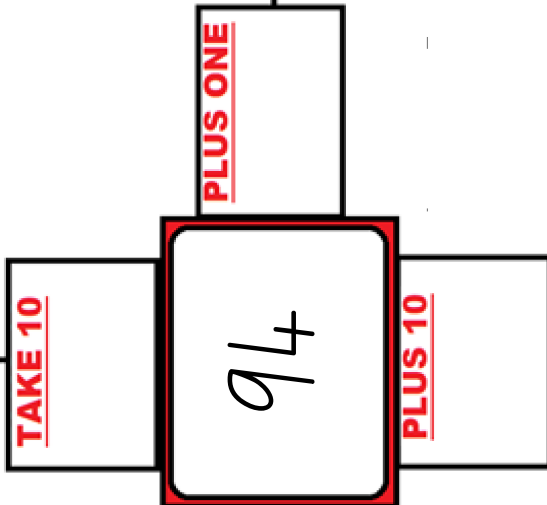


How did you get there - Number Sentence

Code

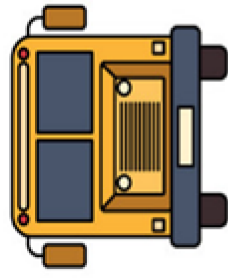
Written as Words

Skip count on by 2's



*How far can you go?*

**Harry spends 20 minutes walking to the school bus and then is on the bus for 15 minutes. How long does he take to get to school?**



**Arlo wants a new bag. It costs \$20 and he already has \$11. How much more does he need?**



$44-4 =$

$31+5 =$

$34-5 =$

**Isaac got 10 books for his birthday and 12 more for Christmas. How many books does he have in total?**



**Count how much money you have.**



**Complete the following sequences:**

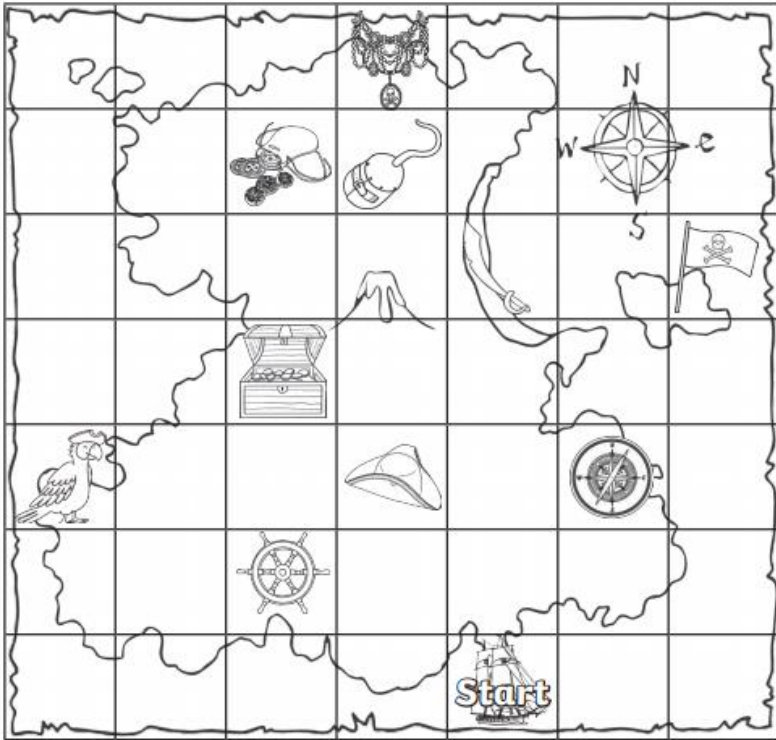
a) 15, 25, 35, 45, \_\_, \_\_, 75, \_\_, 95

b) 40, 42, 44, \_\_, \_\_, 50, \_\_, 54, 56

c) 12, 14, \_\_, 18, 20, \_\_, \_\_, 26, 28

d) 10, 15, \_\_, 25, 30, \_\_, 40, 45, \_\_

# Treasure Map Coding

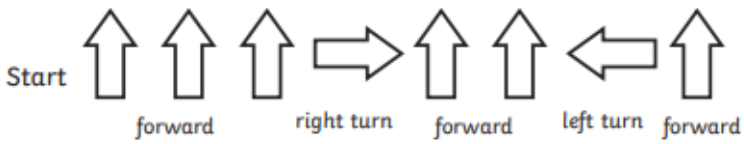


The messy pirate has left his belongings everywhere! Use coding cards to help him gather them up.

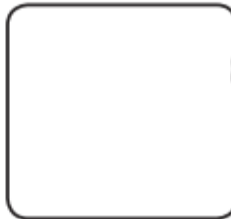


2

Treasure Map Coding Command Cards

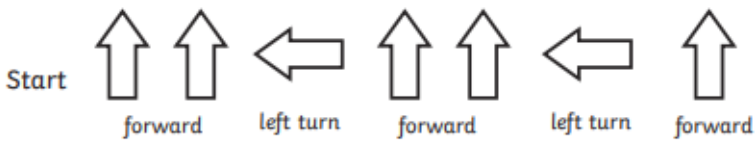


I have found...

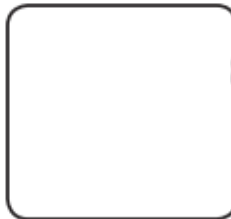


3

Treasure Map Coding Command Cards

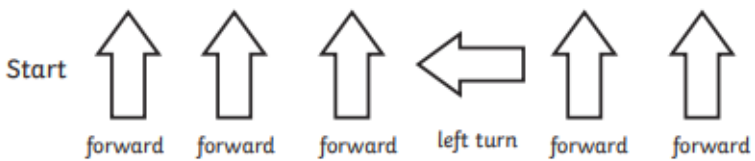


I have found...

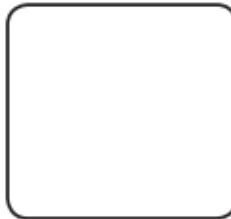


4

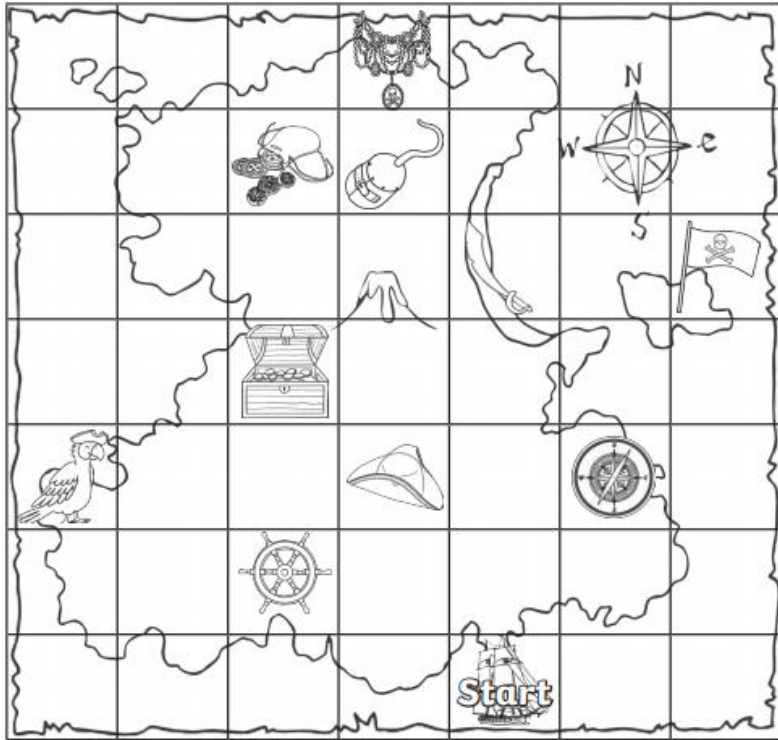
Treasure Map Coding Command Cards



I have found...



# Treasure Map Coding



5. Write the arrow directions needed to get to the coin purse:

6. Write the arrow directions needed to get to the hook:

7. Write the arrow directions needed to get to the flag:

Solve these questions using a number sentence to find the answer  
The first one has been done for you!

If you spot 14 butterflies in your garden and 5 more join them, how many butterflies are there?

$14 + 5 = 19$  butterflies



If 28 people are swimming and 10 of them get out, how many people are still swimming?



If you have 18 pieces of chocolate and eat 11 pieces, how many pieces of chocolate are left?



If you count 16 cows and 12 sheep in a paddock, how many animals are there altogether?



If you have 30 iceblocks and eat 13 of them, how many iceblocks are left?



If you bake 25 cookies and your sister bakes 13 more, how many cookies are there in total?



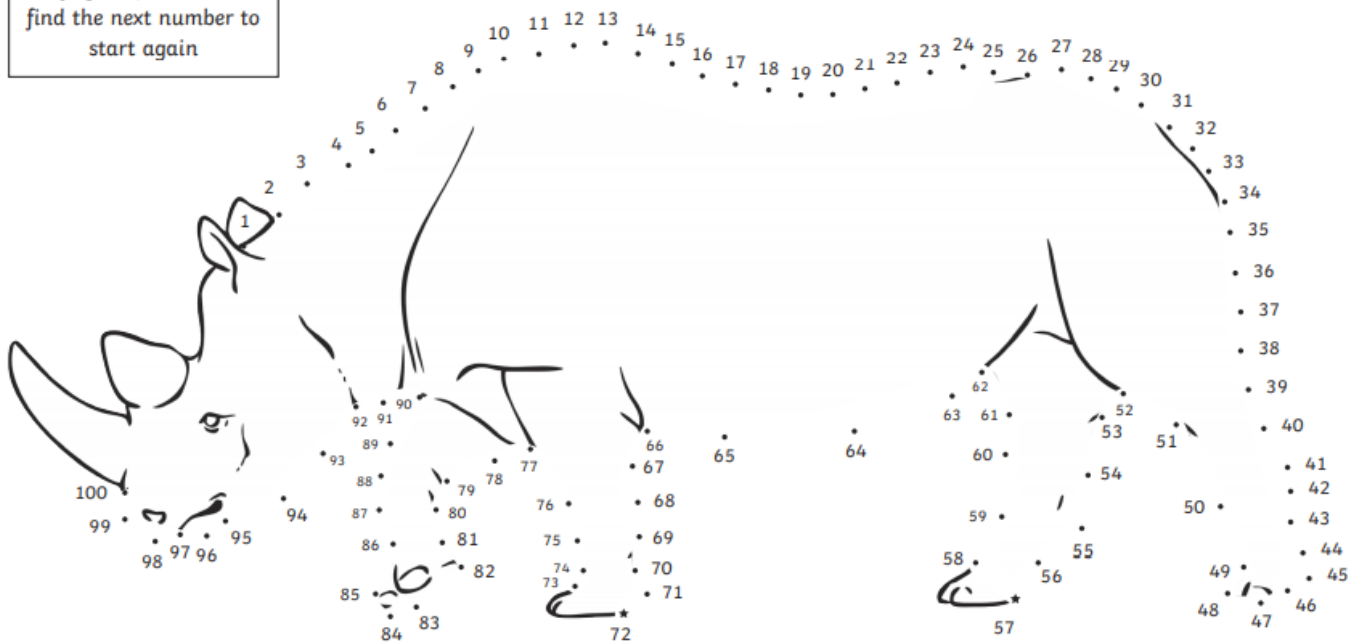


# Friday

## South African Animal dot-to-dot to 100

**Tip:**

When you get to a ★,  
lift your pencil and  
find the next number to  
start again



*Physical Challenge: Make it, Build it Relay. Go to the last page of this booklet for what you need.*

How did you get there - Number Sentence

Code

Written as Words

Skip count on by 2's

TAKE 10

TAKE ONE

PLUS ONE

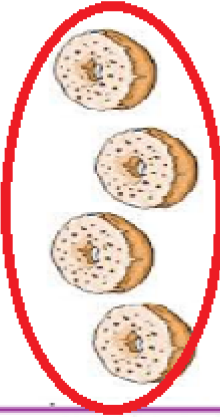
PLUS 10

88

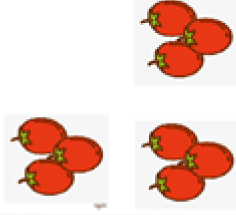
*How far can you go?*

**A man sells 4 donuts for \$10. How much money would he make if he sold 8 donuts?**

**\$10**




**A man buys 3 tomatoes for \$1. How much would 9 tomatoes cost?**




$$42 + 4 = \square$$

$$28 - 6 = \square$$

$$21 - 3 = \square$$

**Ben played basketball for 30 minutes in the morning and another 20 minutes at night. How long did he play for?**




**Count how much money you have.**




**Complete the following sequences:**

a) 10, 20, \_\_, \_\_, 50, \_\_, \_\_, 80, 90

b) 5, 10, 15, \_\_, \_\_, 30, 35, \_\_, 45

c) 55, 50, \_\_, 40, 35, \_\_, 25, 20, \_\_


d) 16, 18, \_\_, 22, 24, 26, \_\_, \_\_, 32

# Area.

Area is the space inside a flat surface. To find how big an area is we can place objects on top of the surface and count how many it takes to cover that surface.






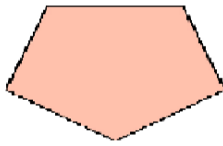



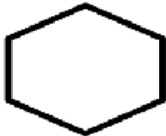

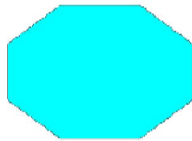
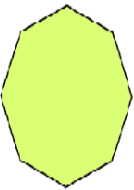

I can find flat surfaces that have a certain area by counting how many objects it takes to cover the surface.

WILF Write the surface that has the same area as the estimates shown. Measure by laying socks out over the surface and count how many it takes to cover the surface without big gaps or stacking up socks to see how close you were.

Object	Estimate (guess how many)	Measurement (How many did you count?)
Tabletop	30	 18
	about 6	
	about 8	
	about 10	
	about 12	

If you do not have as many socks as Mr H you can swap them for playing cards, dominoes or any objects that are the same size.

Draw a line from each shape to match with its name. Remember to count the sides to help find the shapes name. Some shapes can have the same name but look different with its size and length of edges.

Shape	Name of Shape	Shape
	square	
	circle	
	rectangle	
	hexagon	
	pentagon	
	triangle	
	<b>Octagon</b>	

Well done, you are done for the week. The next page is extra work for those students who want to keep their brain busy. Have a safe and happy weekend.

## Monday

1.  $2 + 4 =$  \_\_\_\_\_

2.  $2 - 2 =$  \_\_\_\_\_

3.  $3 + 6 =$  \_\_\_\_\_

4. Write the number showing 1 hundreds, 3 tens and 9 ones. \_\_\_\_\_

5. Complete this counting pattern:

0, 10, 20, 30, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

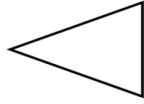
6. What does 6 plus 5 equal? \_\_\_\_\_

7. Subtract 2 from 5: \_\_\_\_\_

8. \$1.00 + 50 cents = \_\_\_\_\_

9. At 3 o'clock, the hour hand points to \_\_\_\_\_.

10. Circle the corners on this shape.



## Tuesday

1.  $9 - 3 =$  \_\_\_\_\_

2.  $1 + 7 =$  \_\_\_\_\_

3.  $7 + 9 =$  \_\_\_\_\_

4. What number is made up of 5 hundreds, 1 tens and 6 ones? \_\_\_\_\_

5. Complete this counting pattern:

3, 5, 7, 9, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

6. Kaelyn had 4 balloons and was given 2 more balloons. How many balloons does Kaelyn now have? \_\_\_\_\_

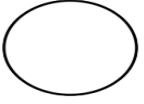
7. Subtract 1 from 2: \_\_\_\_\_

8. Draw a line to split this shape in half.



9. At 9 o'clock, the hour hand points to \_\_\_\_\_.

10. How many sides does a circle have?



## Wednesday

1.  $1 + 6 =$  \_\_\_\_\_

2.  $9 - 4 =$  \_\_\_\_\_

3.  $9 + 0 =$  \_\_\_\_\_

4. Write these numbers in order from largest to smallest: 10, 9, 23, 8. \_\_\_\_\_

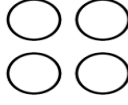
5. Complete this counting pattern:

7, 9, 11, 13, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

6. Joseph has 7 crayons. Declan has 9 crayons. How many more crayons does Declan have? \_\_\_\_\_

7. What does 8 plus 7 equal? \_\_\_\_\_

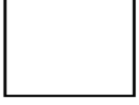
8. Colour in half of these circles.



9. What digital time does the clock show? \_\_\_\_\_



10. Circle the corners on this shape.



## Thursday

1.  $4 + 8 =$  \_\_\_\_\_

2.  $1 + 9 =$  \_\_\_\_\_

3.  $2 - 2 =$  \_\_\_\_\_

4. What is the number in the ones place in 82? \_\_\_\_\_

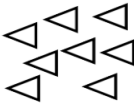
5. Complete this counting pattern:

4, 6, 8, 10, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

6. Add 3 and 7 together: \_\_\_\_\_

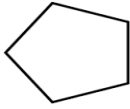
7. Jill has 3 peaches. If Jill buys 3 more peaches, how many peaches does she have altogether? \_\_\_\_\_

8. Colour in half of these triangles.



9. At 11 o'clock, the hour hand points to \_\_\_\_\_.

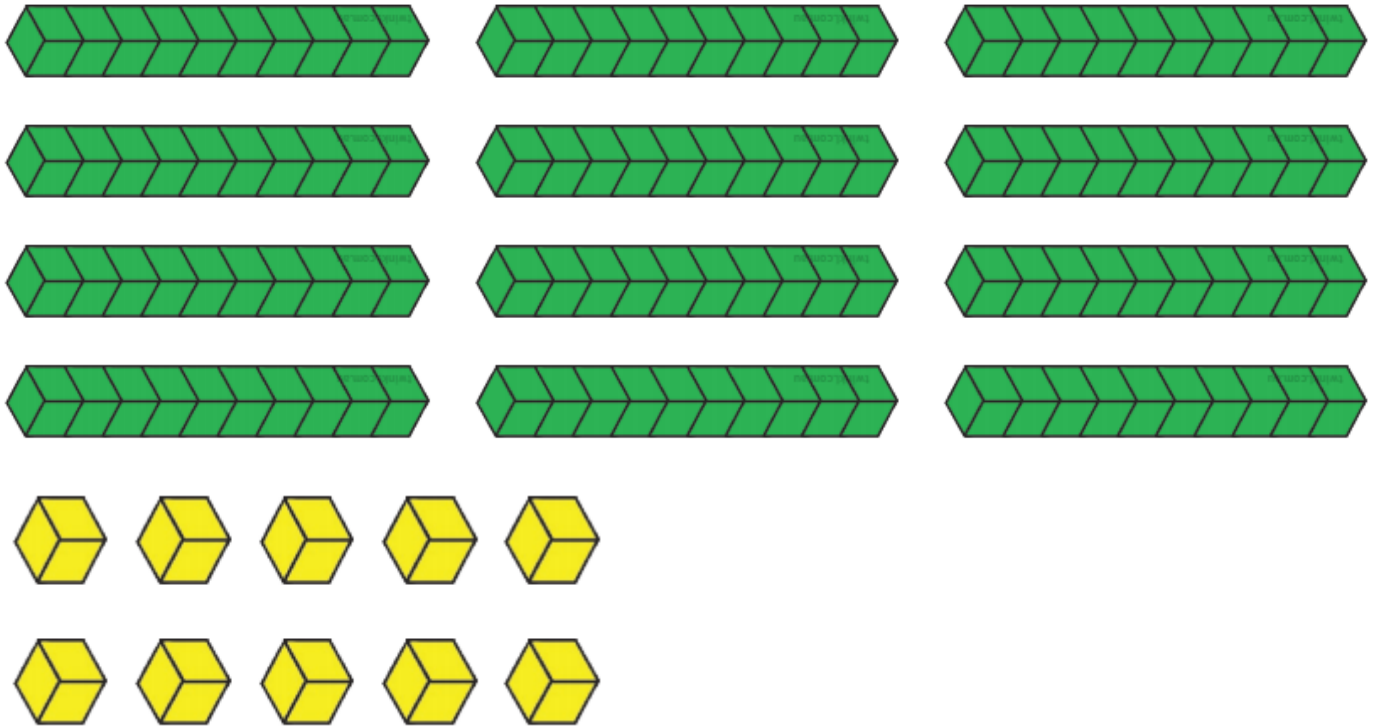
10. Circle the corners on this shape.



## Make it, Build it Relay.

Carefully cut or tear out the MAB blocks and number cards.

Lay the MAB blocks out at one end of the room/area you are working. Lay the number cards out at the other end. Have an adult say a number. You need to race off and build that amount using the tens and ones MAB blocks. Then race off and show that number on the number cards.



0	1	2	3	4
5	6	7	8	9