

# 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



## 1H Paralympic Games medal count.

This week is all about trying your best. Here is how you earn a medal.



Complete all activities for the day.



You completed more activities today than you did on this day last week.



You completed more activities on this day last week than you did today.

### My Weekly Medal Count



Show using tally marks.

# Monday

## The Cautious Caterpillar

### Subtraction up to 10 Colour by Number

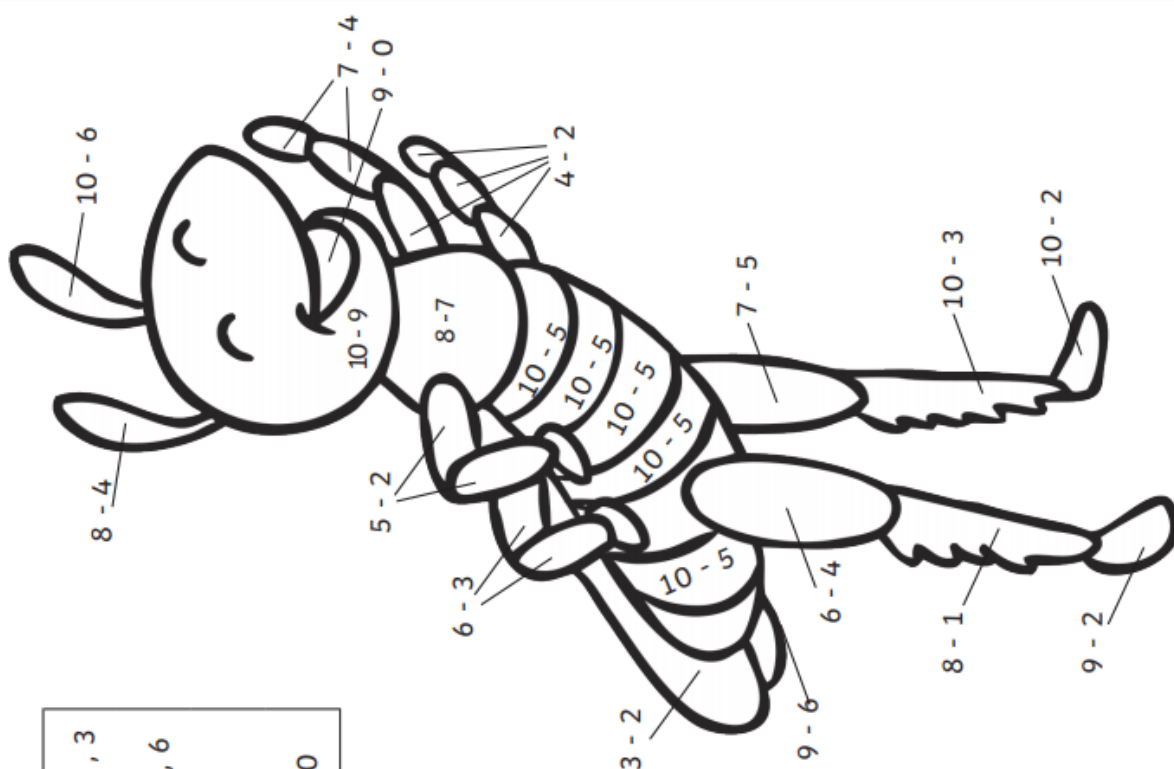
Solve the calculations to work out which colours to use.

green 1, 2, 3

yellow 4, 5, 6

brown 7, 8

pink 9, 10



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



# Number of the Day

How did you get there - Number Sentence

Code

Written as Words

Skip count on by 2's

TAKE 10

TAKE ONE

PLUS ONE

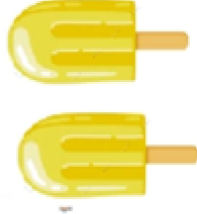
PLUS 10

50

**Mr. Hopson kicks the ball 10 times every game. How many times will he kick the ball in 3 games?**




**There were 20 ice blocks in one box and 16 in the other. How many were there in total?**




$$28+4=$$

$$23+5=$$

$$26-4=$$

**A teacher brought 9 lollipops to share between 3 students. How many lollipops does each student get?**




**Count how much money you have.**




**Complete the following sequences:**

a) 14, 16, \_\_, \_\_, 20, 22, \_\_, 26, 28

b) 25, \_\_, 35, 40, 45, \_\_, 55, \_\_, 65

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

d) 48, 46, \_\_, 42, 40, 38, \_\_, \_\_, 32



# Counting By Fives

Even numbers can be split into 2 even groups so they are numbers that end in 0, 2, 4, 6 and 8.

Odd numbers cannot be split into 2 even groups so they are numbers that end in 1, 3, 5, 7 and 9.

Complete the following sequences:

a) 5 10 15 \_\_\_\_ 25 \_\_\_\_

f) \_\_\_\_ 50 45 \_\_\_\_ 35 30

b) 35 30 \_\_\_\_ 20 \_\_\_\_ 10

g) 35 40 \_\_\_\_ 50 \_\_\_\_ 60

c) \_\_\_\_ 25 30 35 \_\_\_\_ 45

h) 65 \_\_\_\_ \_\_\_\_ 50 45 40

d) 45 \_\_\_\_ \_\_\_\_ 30 25 20

i) \_\_\_\_ \_\_\_\_ 35 40 45 50

e) 15 \_\_\_\_ 25 30 \_\_\_\_ 40

j) 75 70 \_\_\_\_ \_\_\_\_ 55 50

Complete the number square below:

1	2	3	4		6	7	8	9	
11	12	13	14		16	17	18	19	
21	22	23	24		26	27	28	29	
31	32	33	34		36	37	38	39	
41	42	43	44		46	47	48	49	
51	52	53	54		56	57	58	59	
61	62	63	64		66	67	68	69	
71	72	73	74		76	77	78	79	
81	82	83	84		86	87	88	89	
91	92	93	94		96	97	98	99	

**Challenge:** When you count by 5s, which numbers are odd and which are even? What do you notice?

*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: \_\_\_\_\_.



Base Ten Blocks and Number Expander

Match the Number on The Expander

The first one is completed for you!

1 tens 2 ones	
1 tens 7 ones	
2 tens 3 ones	
6 tens 0 ones	
7 tens 5 ones	

Challenge

Colour more blocks to match the number on the expander.

8 tens 2 ones	
------------------	--

Colour the blocks to match the number on the expander.

8 tens 7 ones	
2 tens 8 ones	
5 tens 0 ones	
6 tens 6 ones	
9 tens 7 ones	

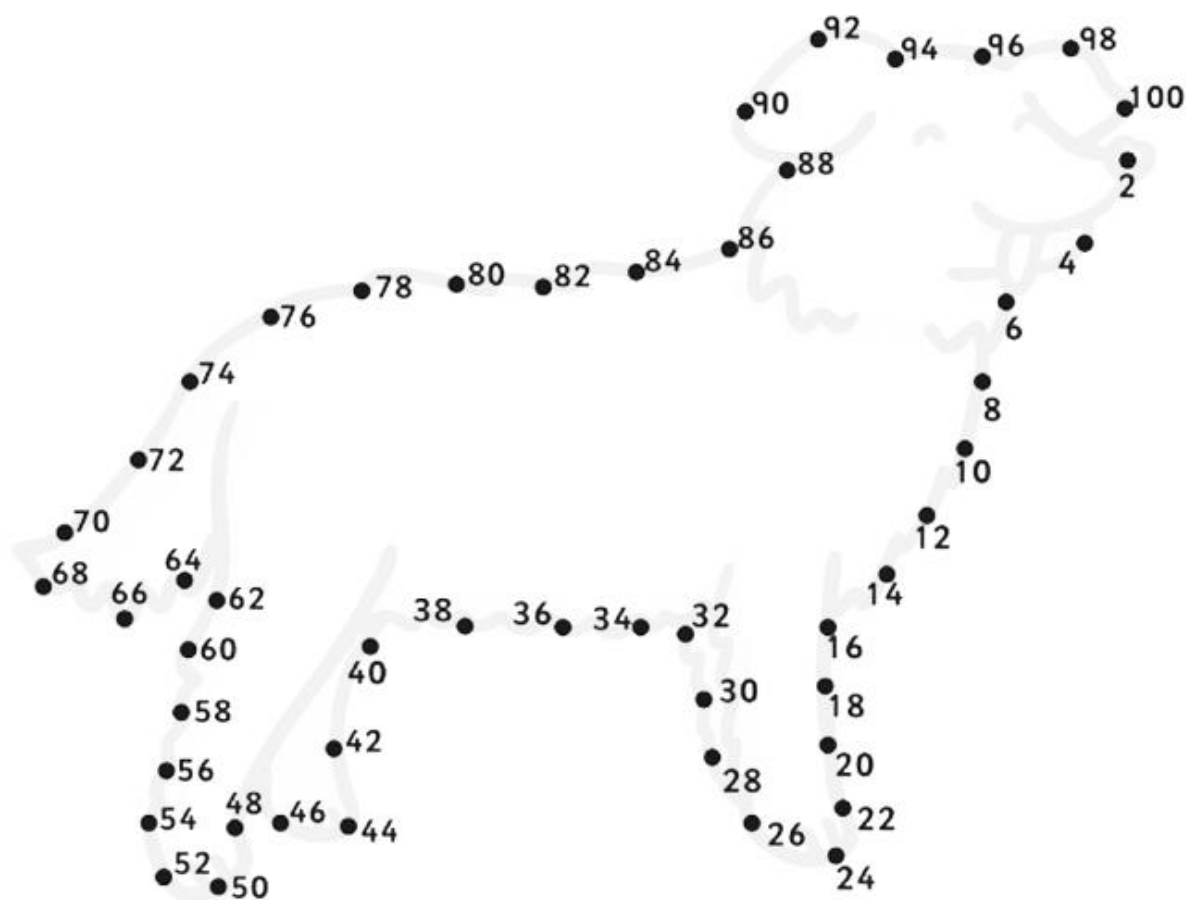
Challenge

Colour more blocks to match the number on the expander.

9 tens 5 ones	
------------------	--

# Tuesday

Dot to dot Skip Count by 2s.



Physical Challenge: Catch and throw a ball while you count to and from 100.





# Number of the Day

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

66

**Riley reads lots of books at school. He read 10 on Monday, 10 on Tuesday and 7 on Wednesday. How many books did he read in those three days?**




**Cash buys 10 ice blocks. He eats 2 every day. How many days will it be when he has no iceblocks left?**

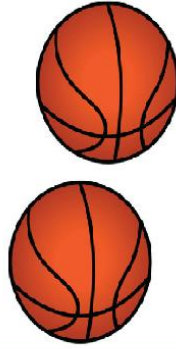



$$19+3=$$

$$26+4=$$

$$31-3=$$

**A basketball costs \$7 from a shop. How much would it cost for 2 basketballs?**




**Count how much money you have.**




**Complete the following sequences:**

a) 20, 30, —, 50, 60, —, 80, —, 100

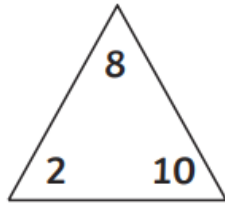
b) 42, 44, —, 48, —, 52, 54, —, 58

c) 30, —, 26, 24, 22, —, 18, —, 14.

d) 70, 65, —, 55, 50, —, 40, —, 30

# Number Families

Using your friends of 10, complete these 2 fact families, using the numbers in the triangles. Then try some harder ones below! Some are done for you!

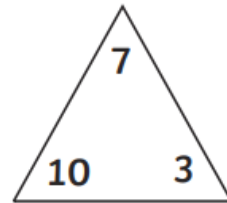


$$2 + 8 = \square$$

$$8 + 2 = \square$$

$$10 - 8 = \square$$

$$10 - 2 = \square$$

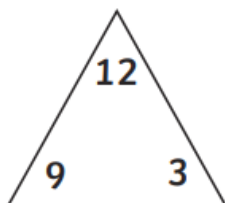


$$7 + \square = \square$$

$$3 + \square = \square$$

$$10 - \square = \square$$

$$10 - \square = \square$$

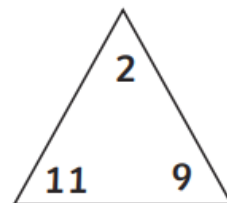


$$\square + \square = 12$$

$$\square + \square = 12$$

$$12 - \square = \square$$

$$12 - \square = \square$$



$$\square + \square = \square$$

$$\square + \square = \square$$

$$\square - \square = \square$$

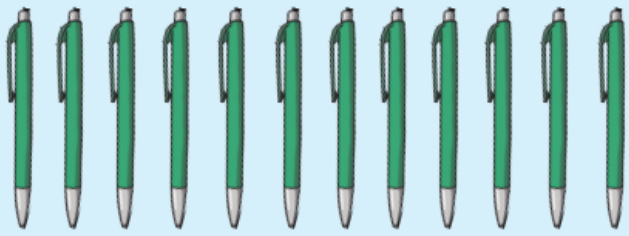
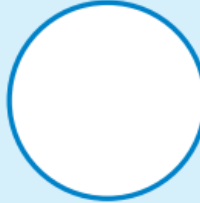
$$\square - \square = \square$$



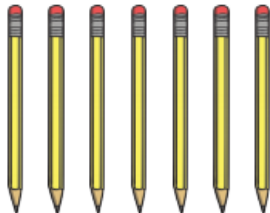
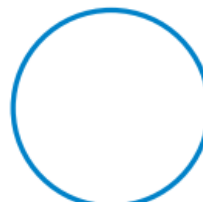
When taking away the biggest number needs to be first.

# Back to School Addition up to 20


Write down the answers in the circles.

 +  = 18


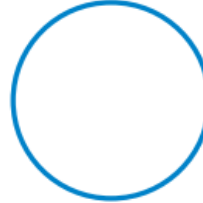
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

 + 12 = 


0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

6 +  = 20

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

 + 6 = 

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

 + 9 = 17

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20



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.



# Wednesday

## Starry-Eyed Stan

Subtraction up to 20 Colour by Number

Solve the calculations to work out which colours to use.

blue	3, 4
red	8, 9
yellow	11, 12
orange	14, 15
light brown	16, 17
green	18
black	19
purple	20

Subtraction problems in the drawing:

- Top left:  $20 - 2$  (fish),  $18 - 7$  (fish)
- Top middle:  $20 - 17$ ,  $20 - 16$
- Top right:  $16 - 12$
- Middle left:  $20 - 5$  (Stan's body),  $12 - 6$  (background)
- Middle right:  $20 - 11$  (hat),  $15 - 1$  (glasses),  $20 - 0$  (necklace)
- Bottom left:  $20 - 3$  (coral),  $20 - 1$  (coral),  $10 - 6$  (coral),  $9 - 5$  (coral),  $4 - 1$  (coral)
- Bottom middle:  $18 - 2$  (background),  $17 - 1$  (background)
- Bottom right:  $19 - 0$  (jacket),  $18 - 4$  (jacket),  $20 - 1$  (jacket),  $17 - 2$  (jacket),  $17 - 0$  (coral)



Physical Challenge: Do star jumps while you count to and from 100. Stop when you start puffing

I started puffing at \_\_\_\_\_

# Number of the Day

How did you get there - Number Sentence

Code

Written as Words

Skip count on by 2's

TAKE 10

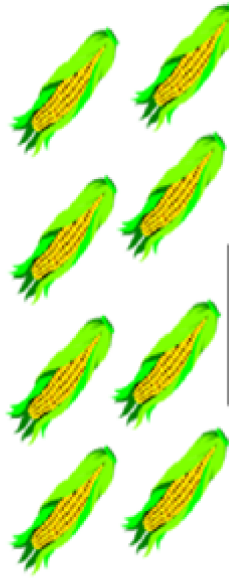
TAKE ONE

PLUS ONE

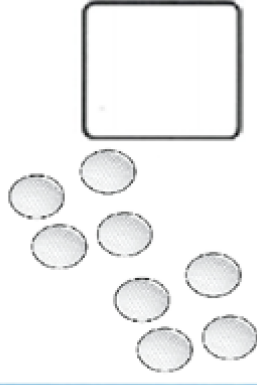
PLUS 10

74

**A farmer is selling corn at a market. He needs to make \$50 for the day. He has already made \$30. How much more money must he make to reach his goal?**




**You can buy 2 golf balls for \$1. How many balls can you get with \$4?**

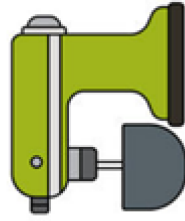


$$34+4=$$

$$29+3=$$

$$32-4=$$

**Year 1 are baking cakes. They bake 30 on the first day and 15 on the next. How many cakes did they bake?**




**Count how much money you have.**




**Complete the following sequences:**

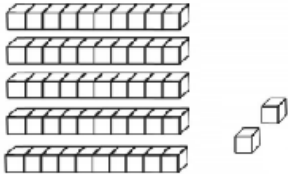
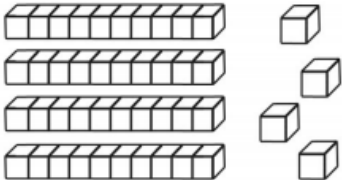
a) 15, 20, —, 30, —, —, 45, 50, 55

b) 40, 42, —, —, 48, 50, —, 54, 56

c) 75, 70, —, 60, 55, —, —, 40, 35

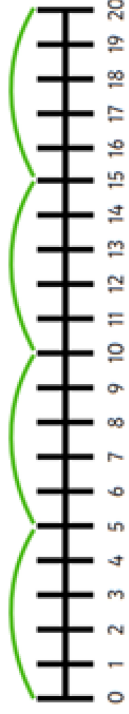
d) 80, 70 —, —, 40, 30, —, —, 0

# Place Value

Number	Words	Expanded Form	Picture
<b>52</b>	<u>  5  </u> tens <u>  2  </u> ones	$50 + 2 = \underline{52}$	
	3 tens 9 ones	$\underline{\quad} + \underline{\quad} = \underline{\quad}$	
	<u>    </u> tens <u>    </u> ones	$20 + 7 = \underline{\quad}$	
	<u>    </u> tens <u>    </u> ones	$\underline{\quad} + \underline{\quad} = \underline{\quad}$	
<b>75</b>	<u>    </u> tens <u>    </u> ones	$\underline{\quad} + \underline{\quad} = \underline{\quad}$	
<b>15</b>	<u>    </u> tens <u>    </u> ones	$\underline{\quad} + \underline{\quad} = \underline{\quad}$	
	<u>    </u> tens <u>    </u> ones	$70 + 8 = \underline{\quad}$	



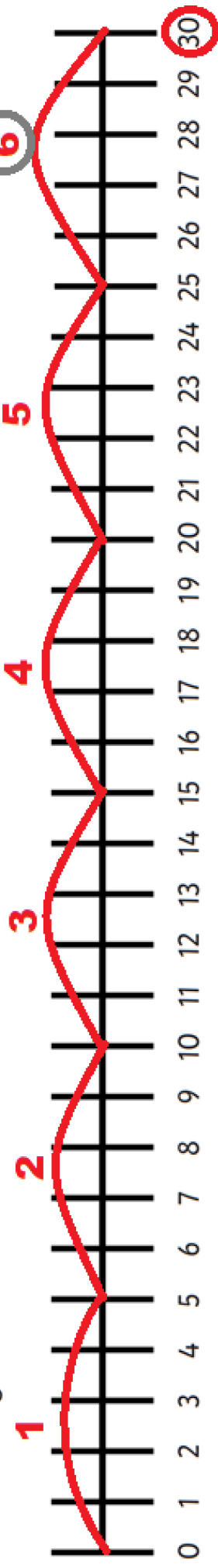
# Dividing by 5 on a Number Line



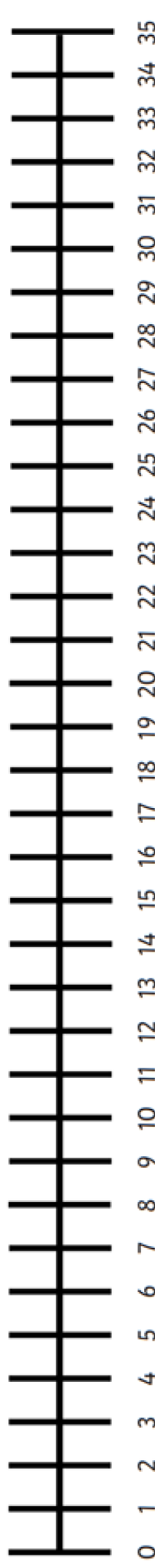
This number line shows 20 divided by  $5 = 4$ . I know the answer is 4 because I counted how many jumps of 5 are in 20.

1. How many 5s make 30? \_\_\_\_\_

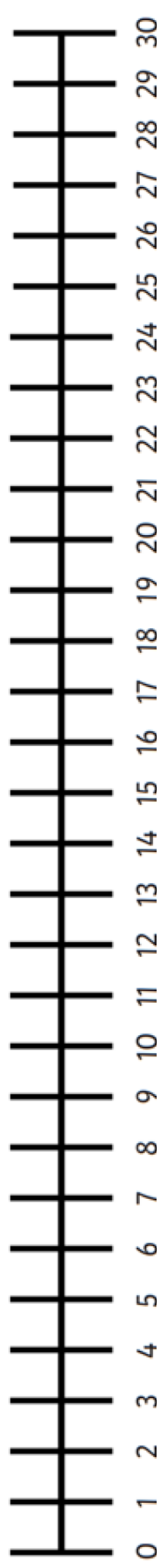
**Count how many jumps of 5 there are in 30**



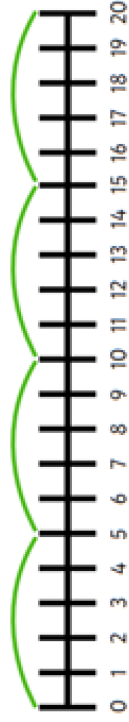
2. What is 10 divided by 5? \_\_\_\_\_



3. Share 15 equally between 5. \_\_\_\_\_



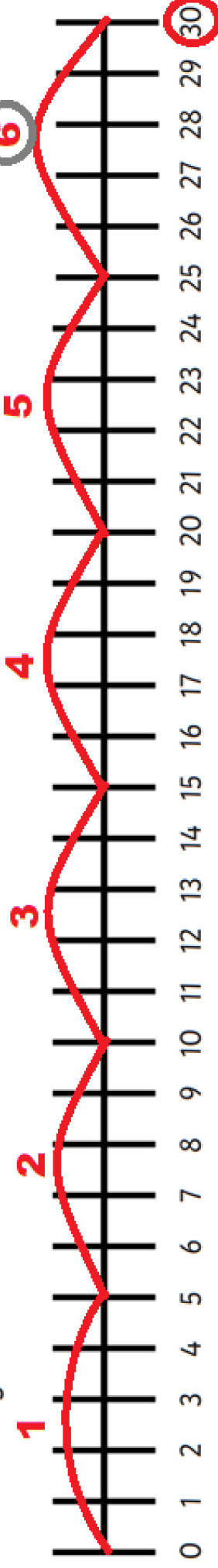
# Dividing by 5 on a Number Line



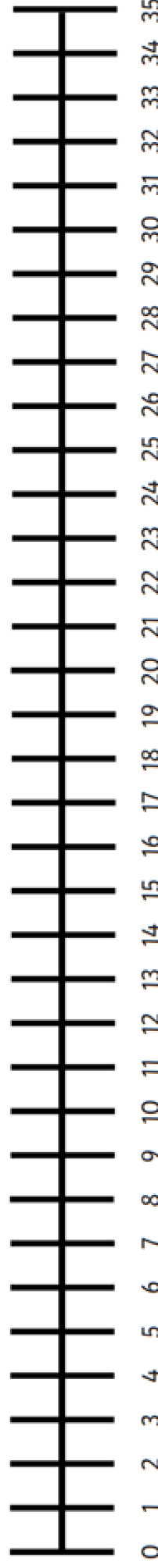
This number line shows 20 divided by 5 = 4. I know the answer is 4 because I count how many jumps of 5 are in 20.

1. How many 5s make 30? \_\_\_\_

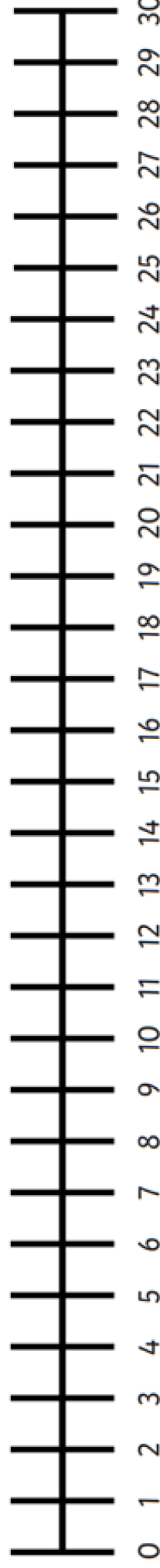
**Count how many jumps of 5 there are in 30**



2. What is 35 divided by 5? \_\_\_\_



3. Share 25 equally between 5. \_\_\_\_

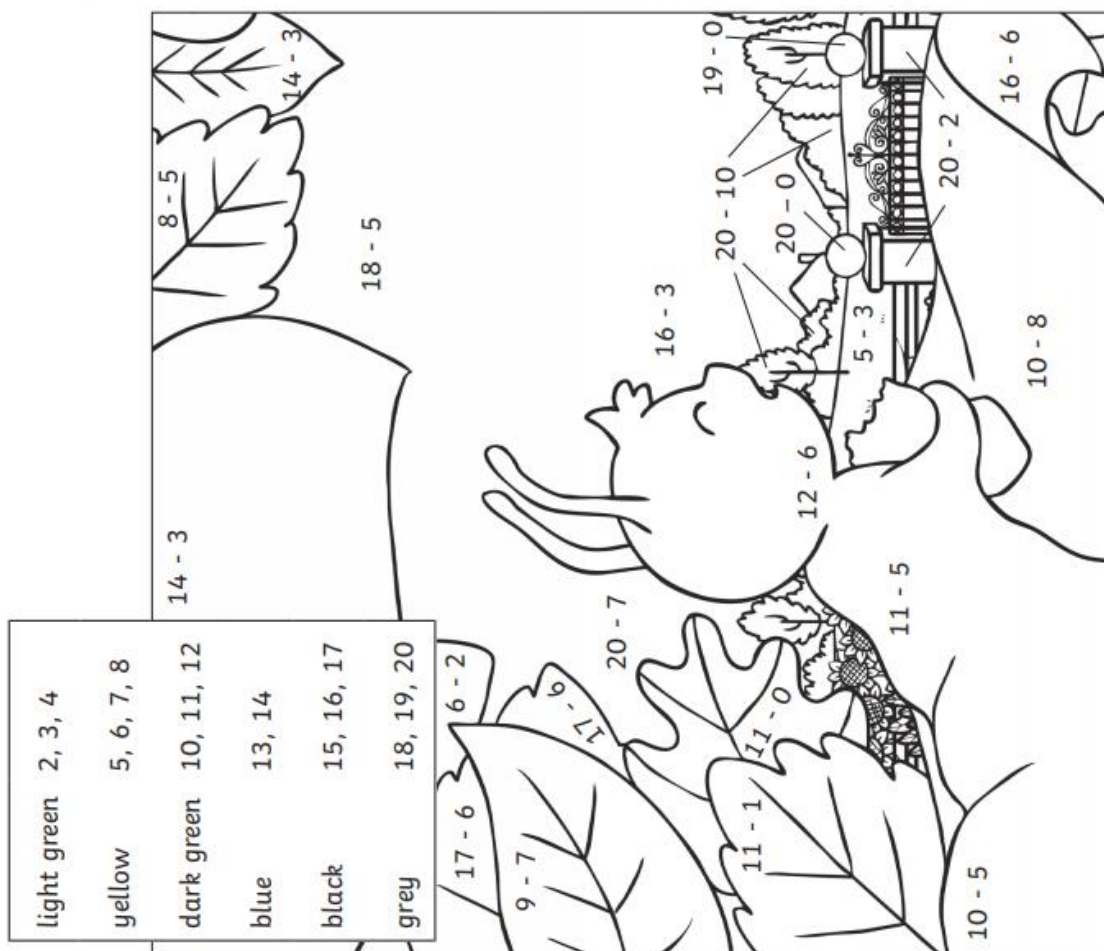


# Thursday

## The Cautious Caterpillar

### Subtraction up to 20 Colour by Number

Solve the calculations to work out which colours to use.



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: \_\_\_\_\_.



# Number of the Day

<u>How did you get there - Number Sentence</u>	<u>Code</u>
<u>Written as Words</u>	<u>Skip count on by 2's</u>

12

TAKE ONE

TAKE 10

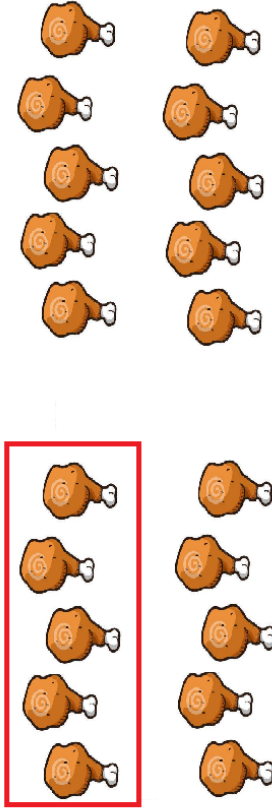
PLUS ONE

PLUS 10

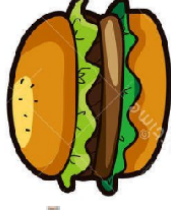
How far can you go?



**There are 5 pieces of chicken in a box meal. How many pieces of chicken would you get in four box meals?**




**A shop made 20 burgers for the dinner rush. They have already sold 12. How many burgers are left?**





$41+5=$

$38-6=$

$27+4=$

**Your family eat 30 capsicums on Saturday and 16 capsicums on Sunday. How many did they eat in total?**




**Count how much money you have.**




**Complete the following sequences:**

a) 15, 25, —, 45, 55, —, 75, 85, 95

b) 85, 80, 75, —, 65, 60, —, —, 45

c) 8, 10, —, 14, —, —, 20, 22, —

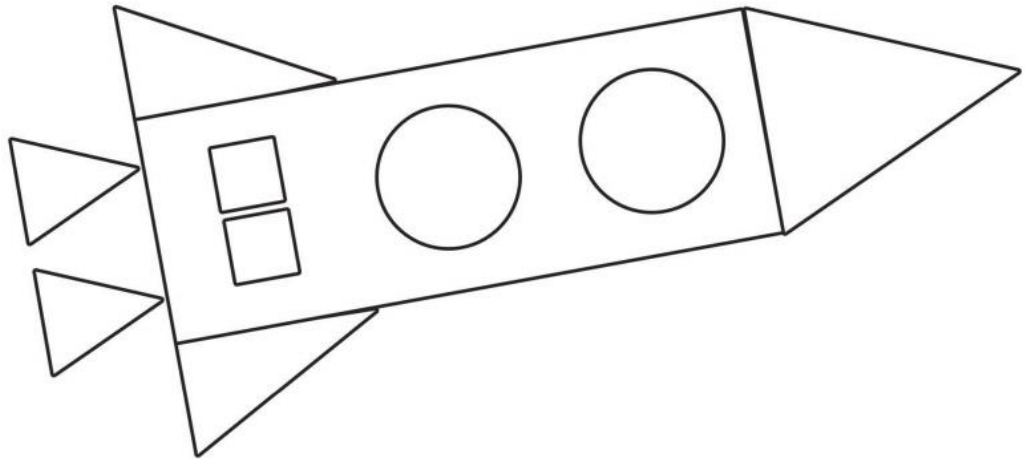
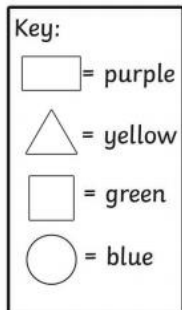
d) 50, 48, —, 44, 42, 40, 38, —, —

I can name 2D shapes.

WILF (What I'm Looking For) You will need to colour each type of shape. Put the correct number in each shape to show its name.

## 2D Shape Colouring

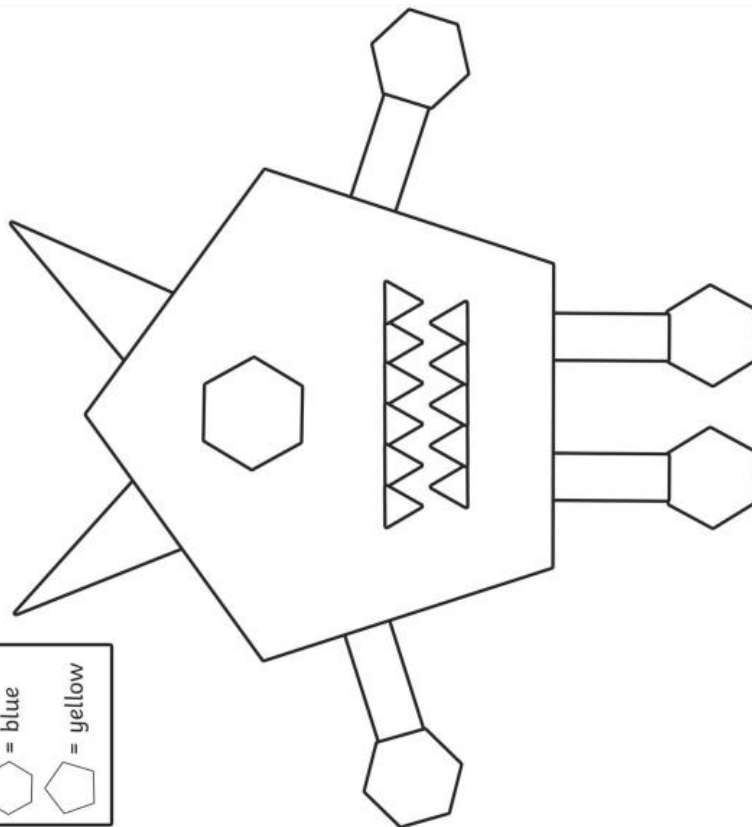
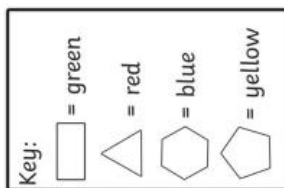
Can you colour the shapes to complete the picture?



1= rectangle, 2= triangle, 3= square, 4= circle, 5= hexagon, 6= pentagon

## 2D Shape Colouring

Can you colour the shapes to complete the picture?



twinkl.co.uk



Physical Challenge. 2D Challenge. Sit an object on a piece of paper. Trace around the bottom of the object and it will make a 2D shape. Name the objects you found that left a:

circle \_\_\_\_\_ square \_\_\_\_\_ triangle \_\_\_\_\_

# Shape Monsters

*I can name and use 2D shapes to make a picture.*

*WILF: You need to make a picture using the shapes on the next 2 pages. You can cut and glue them onto this page or just draw if you have no glue.*

*Write how many of each shape you used in your picture:*



Trapeziums \_\_\_\_\_



Triangles \_\_\_\_\_



Rectangles \_\_\_\_\_



Pentagons \_\_\_\_\_

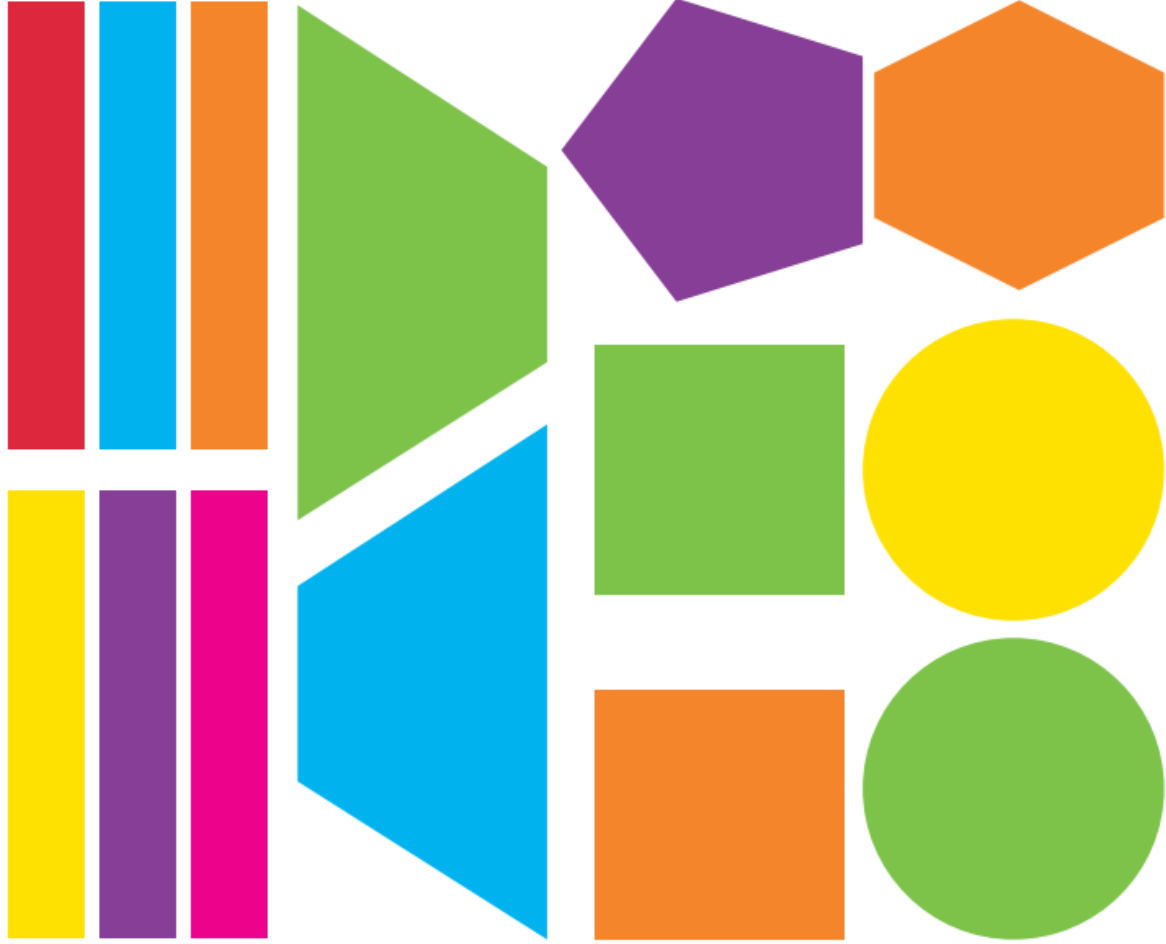


Hexagons \_\_\_\_\_



Circles \_\_\_\_\_

# Shapes to cut out:



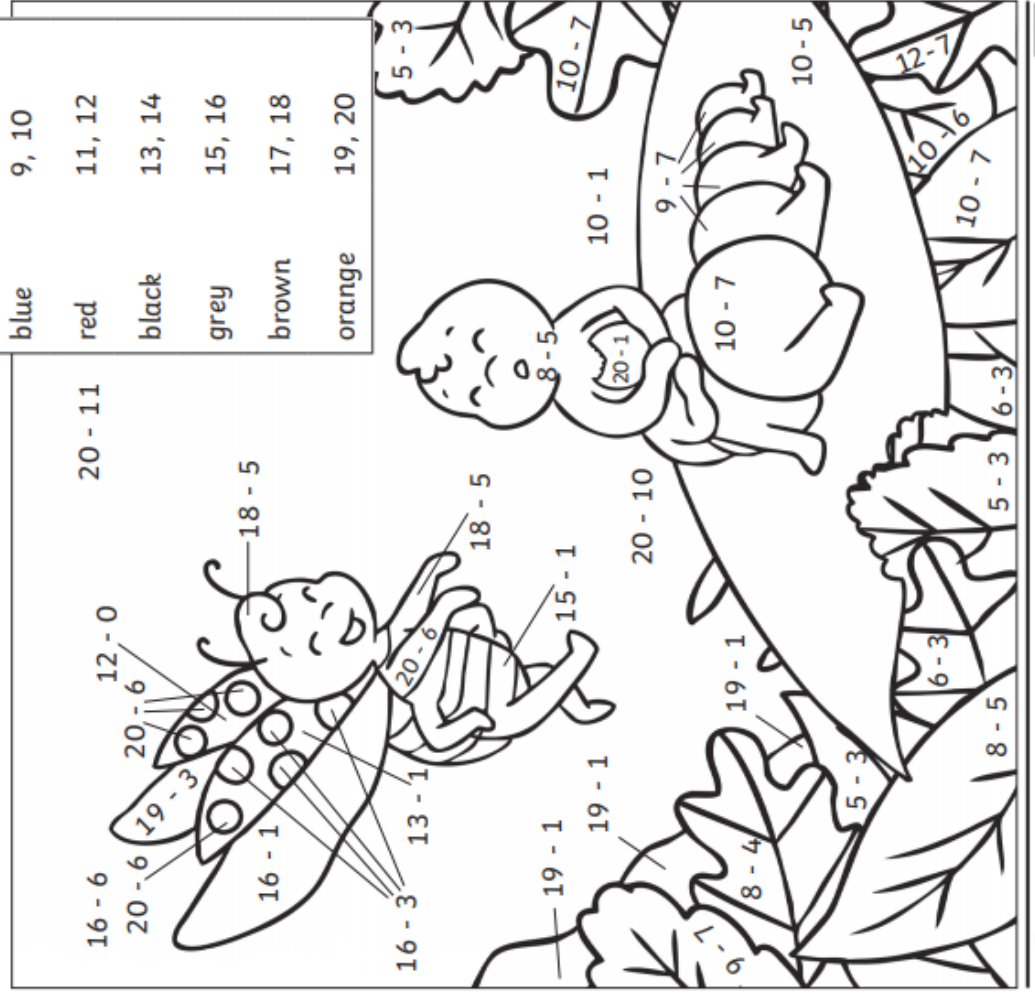


# The Cautious Caterpillar

## Subtraction up to 20 Colour by Number

Solve the calculations to work out which colours to use.

light green	2, 3, 4
dark green	5, 6, 7, 8
blue	9, 10
red	11, 12
black	13, 14
grey	15, 16
brown	17, 18
orange	19, 20



# Friday



*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

# Number of the Day

How did you get there - Number Sentence

Code

Written as Words

Skip count on by 2's

TAKE 10

TAKE ONE

46

PLUS ONE

PLUS 10

**A rabbit was sneaking into your garden and eating 10 carrots every night. How many carrots did he eat in a whole week? A week has 7 nights**

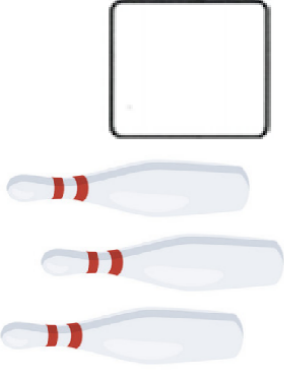



$$41-4=$$

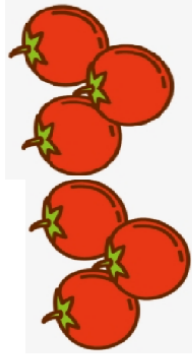
$$36+4=$$

$$42+6=$$

**You knock over 6 pins with your first throw, 4 pins on your second and 5 pins on the third. How many pins did you knock in total?**




**You bought 30 tomatoes from the store and 6 went off. How many did you have left to eat?**




**Count how much money you have.**




**Complete the following sequences:**

a) 70, 65, —, 55, —, 45, 40, —, 30

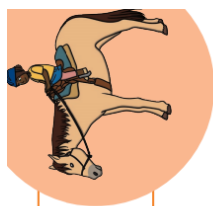
b) 20, 30, —, —, 60, 70, —, —, 100

c) 52, 54, —, —, 60, —, 64, 66, 68

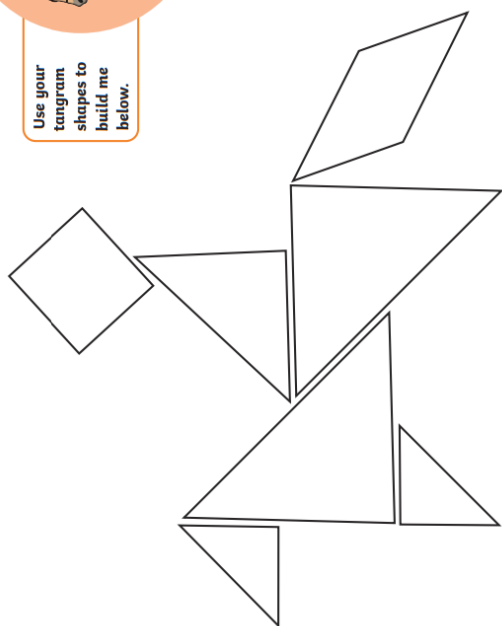
d) 5, 10, —, —, 25, 30, 35, —, —

# Paralympics 2D Shape Sport Challenge.

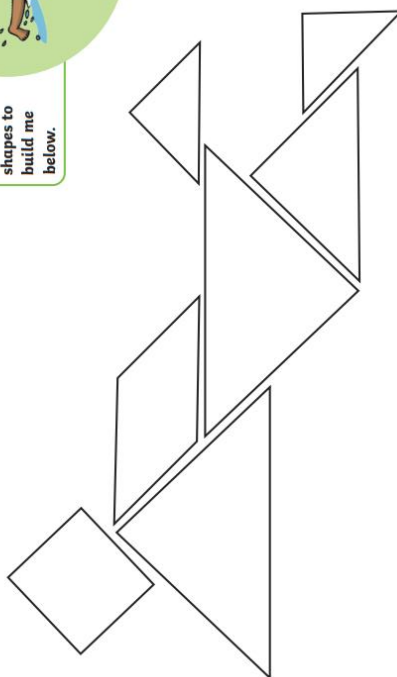
Use the 2D shapes to make the following Paralympic sports.



Use your  
tangram  
shapes to  
build me  
below.



Use your  
tangram  
shapes to  
build me  
below.



Put a tick one the  
pictures you were able to  
make.

Cut or carefully  
tear out the bottom  
shapes to make  
these Paralympic  
sports.



## Sports Tangrams Activity

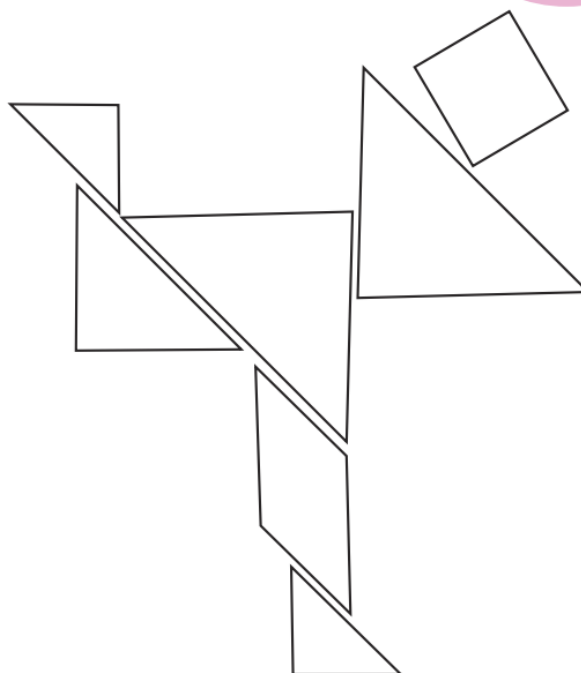
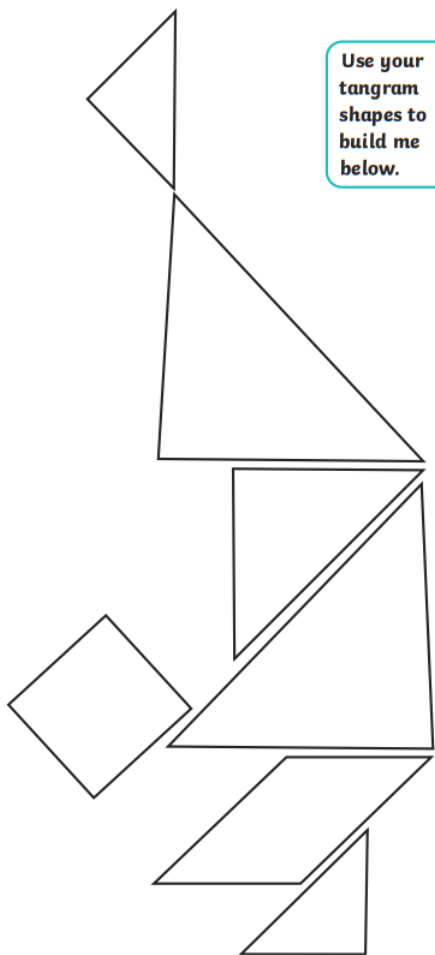
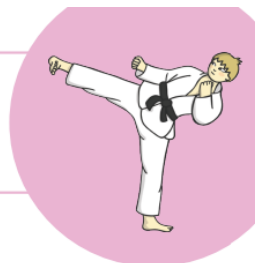




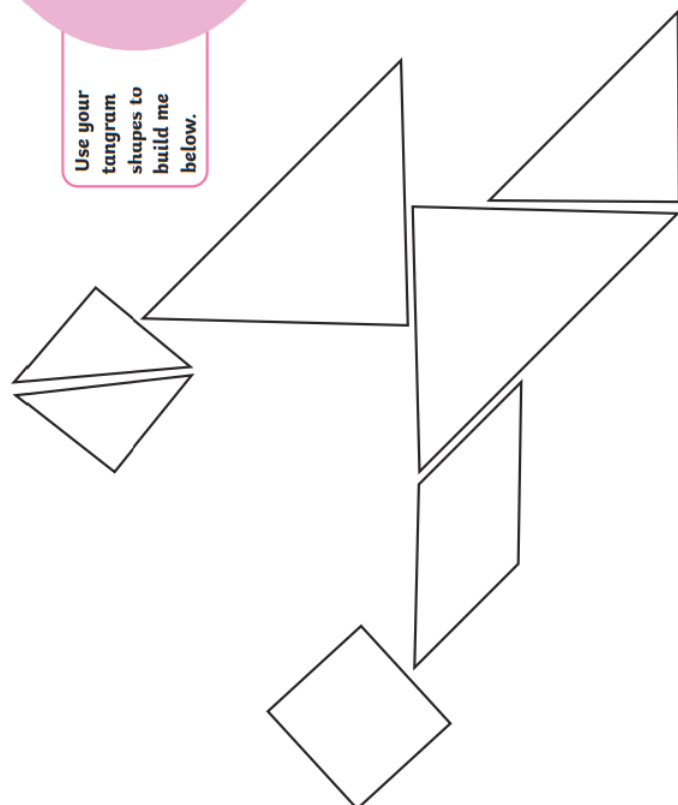
Use your  
tangram  
shapes to  
build me  
below.



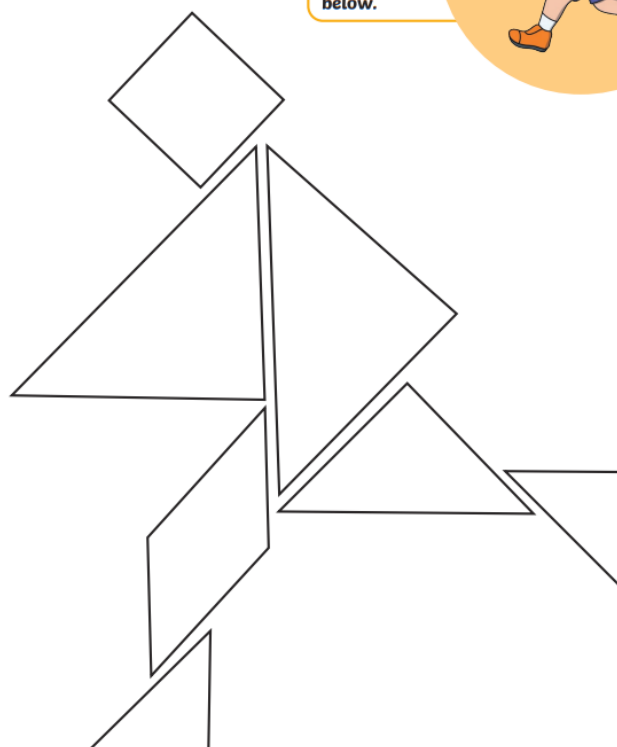
Use your  
tangram  
shapes to  
build me  
below.



Use your  
tangram  
shapes to  
build me  
below.



Use your  
tangram  
shapes to  
build me  
below.

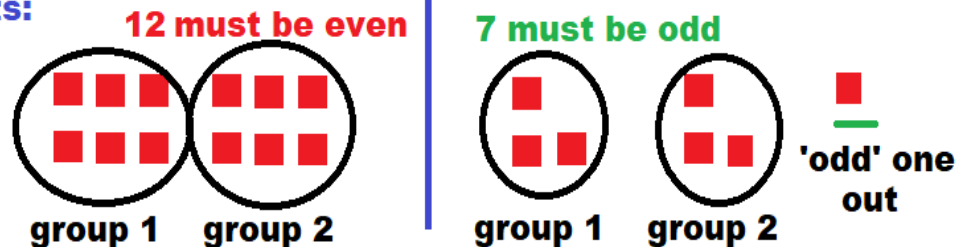


# Is My Number Odd or Even?

To complete this activity, you need 20 counters. You might use 20 peas or other small items, or use dots on a piece of paper, like in the example below.

We are always told that even numbers can be shared into two even groups.

For example, using dots:



Make each of the following numbers using your cubes or counters and see if you can split them into two equal groups.

Colour the even numbers on the chart blue.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

Group 1	Group 2

Well done, you have completed all maths work for the week! The next page is just extra work for those who want to keep their brain busy! Have a good and safe weekend 😊

## Monday

1.  $2 + 8 =$  \_\_\_\_\_

2.  $6 + 1 =$  \_\_\_\_\_

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

4. What is the number in the ones place in 26?

\_\_\_\_\_

5. Complete this counting pattern:

7, 17, 27, 37, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

6. Add 7 and 5 together: \_\_\_\_\_

7. What is the sum of 4 and 9? \_\_\_\_\_

8. What is the value of this coin?

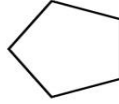
\_\_\_\_\_



9. At 1 o'clock, the hour hand points to \_\_\_\_\_.

10. What is the name of this shape?

\_\_\_\_\_



## Tuesday

1.  $7 - 3 =$  \_\_\_\_\_

2.  $2 + 6 =$  \_\_\_\_\_

3.  $5 + 7 =$  \_\_\_\_\_

4. Write these numbers in order from largest to smallest: 94, 26, 94, 22. \_\_\_\_\_

5. Complete this counting pattern:

6, 11, 16, 21, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

6. Arianna has 3 apples. If Arianna buys 5 more apples, how many apples does she have altogether?

\_\_\_\_\_

7. In a group of 7 students, 2 would like to play American football and the rest want to play badminton. How many want to play badminton?

\_\_\_\_\_

8. What is the value of this coin?

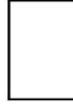
\_\_\_\_\_



9. At 8 o'clock, the hour hand points to \_\_\_\_\_.

10. How many sides does a rectangle have?

\_\_\_\_\_



## Wednesday

1.  $4 + 3 =$  \_\_\_\_\_

2.  $9 - 6 =$  \_\_\_\_\_

3.  $4 + 5 =$  \_\_\_\_\_

4. What is the value of the number in the ones place in 72? \_\_\_\_\_

5. Complete this counting pattern:

8, 10, 12, 14, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

6. Liam had 2 pieces of LEGO and was given 8 more pieces of LEGO. How many pieces of LEGO does Liam now have? \_\_\_\_\_

7. Brody has 6 balloons. Gabriel has 13 balloons. How many more balloons does Gabriel have? \_\_\_\_\_

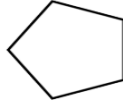
8. Draw a line to split this shape in half.



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



10. Circle the corners on this shape.



## Thursday

1.  $0 + 5 =$  \_\_\_\_\_

2.  $9 - 3 =$  \_\_\_\_\_

3.  $2 + 1 =$  \_\_\_\_\_

4. Write the numeral for eighty-seven: \_\_\_\_\_

5. Complete this counting pattern:

2, 4, 6, 8, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

6. What is the sum of 4 and 1? \_\_\_\_\_

7. What does 4 plus 8 equal? \_\_\_\_\_

8. What is the value of this coin?

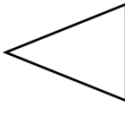
\_\_\_\_\_



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



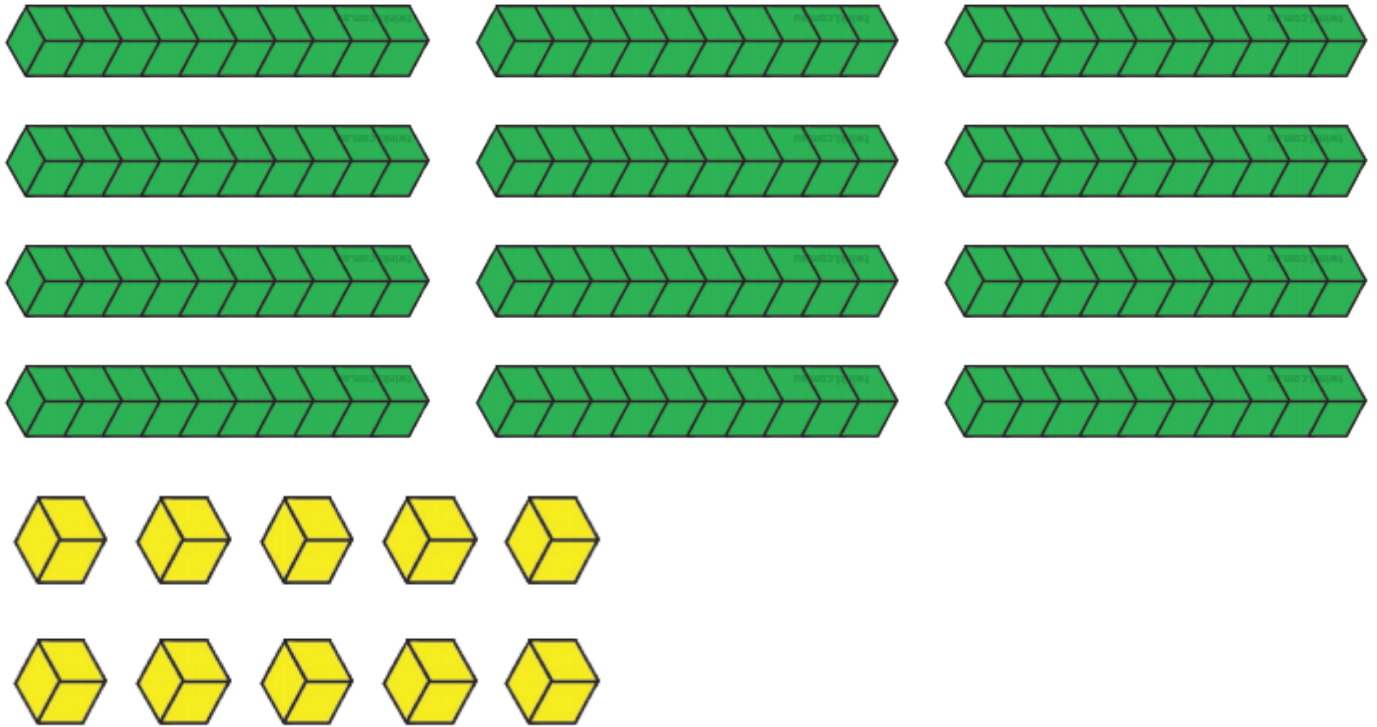
10. Circle the corners on this shape.



# 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