

Plattsburg Public School  
Learning from Home

2/3B

Group 1

NUMERACY



# Year 2

## Multiplication and Division

multiply



times  
times by

divided by  
shared by

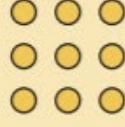


equally grouped  
equally shared

equals



makes



$$3 \times 3 = 9$$

**arrays**



$$4 \times 2 = 8$$

or

$$2 \times 4 = 8$$

**2**

$$\begin{array}{l} 1 \times 2 = 2 \\ 2 \times 2 = 4 \\ 3 \times 2 = 6 \\ 4 \times 2 = 8 \\ 5 \times 2 = 10 \\ 6 \times 2 = 12 \\ 7 \times 2 = 14 \\ 8 \times 2 = 16 \\ 9 \times 2 = 18 \\ 10 \times 2 = 20 \\ 11 \times 2 = 22 \\ 12 \times 2 = 24 \end{array}$$

**3**

$$\begin{array}{l} 1 \times 3 = 3 \\ 2 \times 3 = 6 \\ 3 \times 3 = 9 \\ 4 \times 3 = 12 \\ 5 \times 3 = 15 \\ 6 \times 3 = 18 \\ 7 \times 3 = 21 \\ 8 \times 3 = 24 \\ 9 \times 3 = 27 \\ 10 \times 3 = 30 \\ 11 \times 3 = 33 \\ 12 \times 3 = 36 \end{array}$$

**5**

$$\begin{array}{l} 1 \times 5 = 5 \\ 2 \times 5 = 10 \\ 3 \times 5 = 15 \\ 4 \times 5 = 20 \\ 5 \times 5 = 25 \\ 6 \times 5 = 30 \\ 7 \times 5 = 35 \\ 8 \times 5 = 40 \\ 9 \times 5 = 45 \\ 10 \times 5 = 50 \\ 11 \times 5 = 55 \\ 12 \times 5 = 60 \end{array}$$

**10**

$$\begin{array}{l} 1 \times 10 = 10 \\ 2 \times 10 = 20 \\ 3 \times 10 = 30 \\ 4 \times 10 = 40 \\ 5 \times 10 = 50 \\ 6 \times 10 = 60 \\ 7 \times 10 = 70 \\ 8 \times 10 = 80 \\ 9 \times 10 = 90 \\ 10 \times 10 = 100 \\ 11 \times 10 = 110 \\ 12 \times 10 = 120 \end{array}$$

**Even numbers**

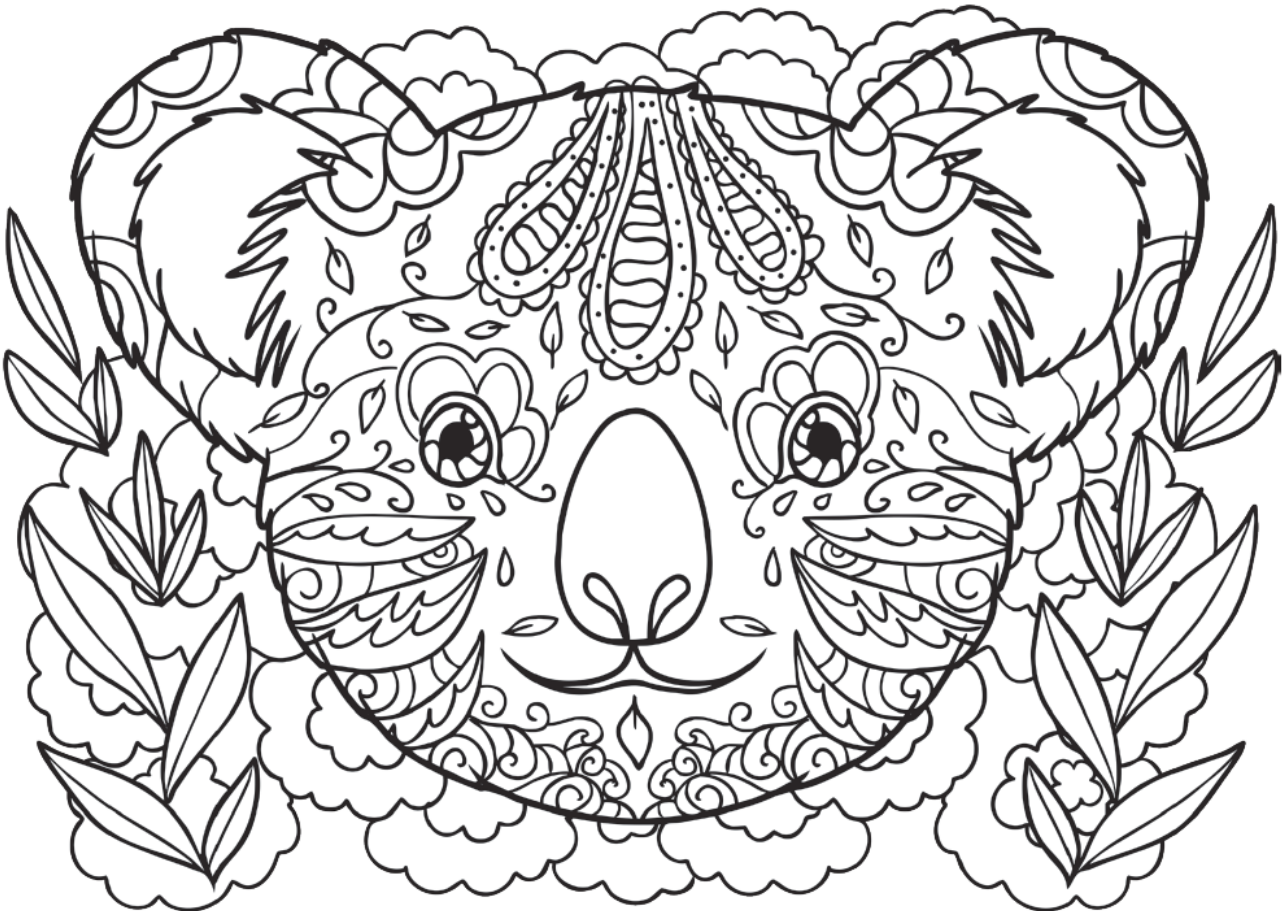
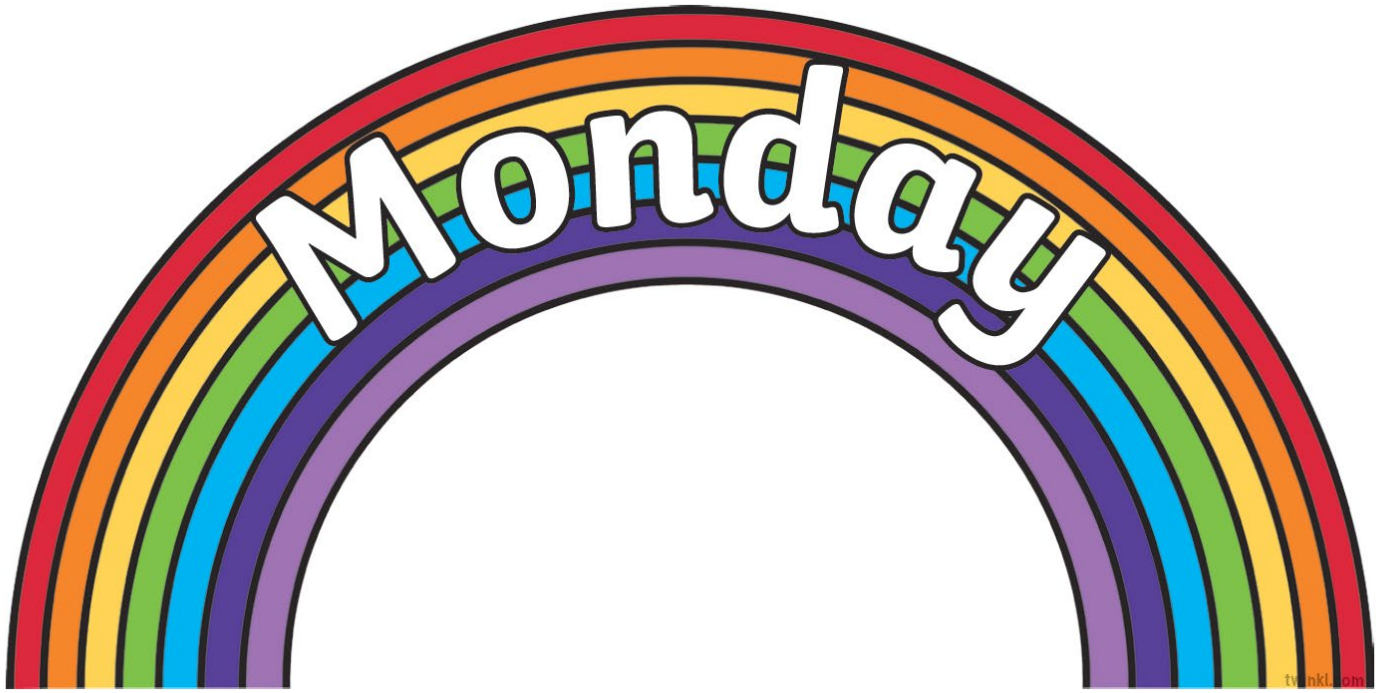
0, 2, 4, 6, 8, 10, 12, 14, 16,  
18, 20, 22, 24, 26, 28, 30...

**Odd numbers**

1, 3, 5, 7, 9, 11, 13, 15, 17,  
19, 21, 23, 25, 27, 29, 31...



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# Minute 17



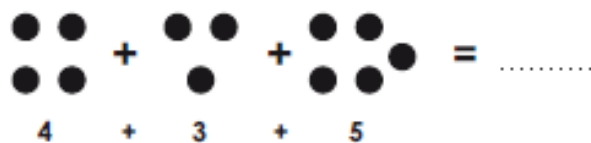
Name: ..... Date: .....

1. Tyler has 5 pencils. Ben gives him 8 more pencils. How many pencils does Tyler have now? ..... pencils

*For Questions 2 and 3, write how much money in all.*

2.  = \$.....

3.  = \$.....

4.  = .....

5. How many coins are there? ..... coins



*For Questions 6 and 7, write the number of tens and ones.*

6. 49 = ..... tens ..... ones

7. 94 = ..... tens ..... ones

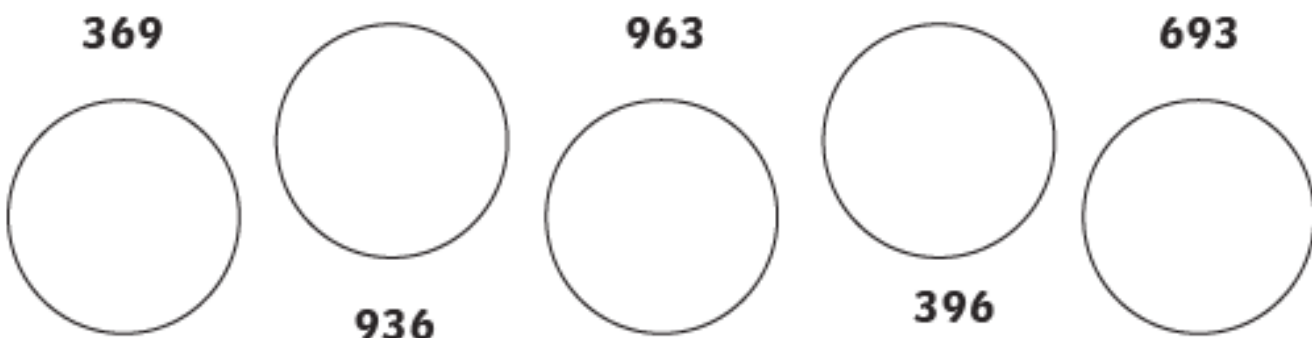
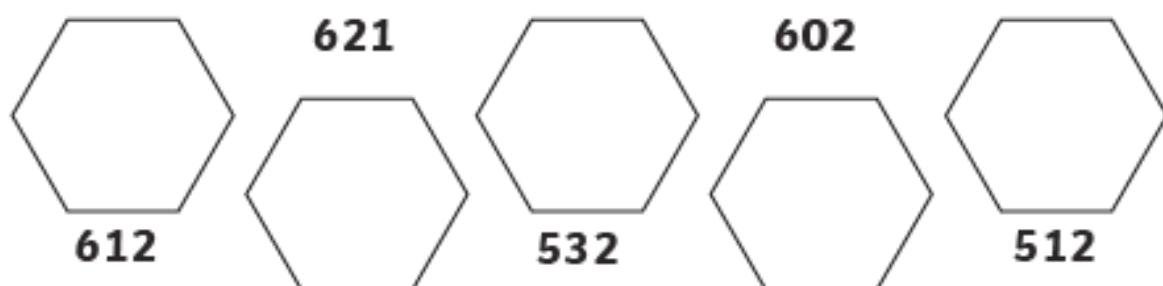
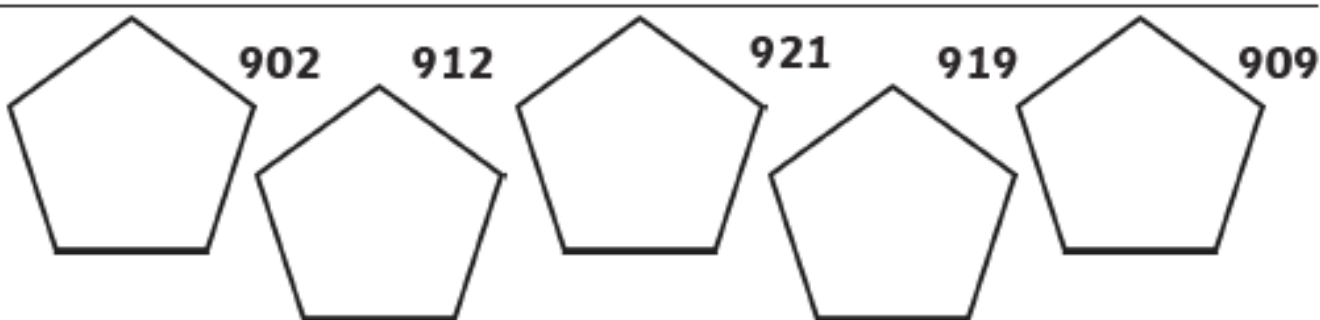
8.  $9 + 8 =$  .....

9. Write the missing number. 2, 5, 8, ....., 14, 17

10.  $46 > 39$  Circle: True or False

## Ordering numbers to 1000 Worksheet 2

Fill in the spaces below with the numbers in order from smallest to largest.



## Adding Two 3-Digit Numbers - No Carrying

Calculate the answers to the following:

$$\begin{array}{r} 273 \\ + 514 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 451 \\ + 225 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 304 \\ + 463 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 615 \\ + 172 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 153 \\ + 716 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 805 \\ + 102 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 572 \\ + 213 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 531 \\ + 267 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 202 \\ + 236 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 370 \\ + 116 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 622 \\ + 375 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 312 \\ + 251 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 476 \\ + 403 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 155 \\ + 234 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 371 \\ + 628 \\ \hline \hline \end{array}$$

## Adding Two 3-Digit Numbers - With Carrying

Calculate the answers to the following:

$$\begin{array}{r} 323 \\ + 518 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 607 \\ + 228 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 507 \\ + 463 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 319 \\ + 142 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 257 \\ + 706 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 505 \\ + 109 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 672 \\ + 243 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 591 \\ + 367 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 572 \\ + 336 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 760 \\ + 615 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 822 \\ + 345 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 912 \\ + 461 \\ \hline \hline \end{array}$$

# Addition Word Problem Challenge Cards



Addition Word Problem Challenge Cards



Lauren had a collection of 26 stamps out of 60. Her friend gives her another 19.

How many stamps does she have now?

How many more stamps does she need to finish her collection?



## Optional - Challenge Questions

Addition Word Problem Challenge Cards



Hannah wants to make 100 cookies for the school cake sale on Wednesday. She baked 44 cookies on Monday and 39 cookies on Tuesday.

How many cakes did she bake altogether?

How many more does she need to bake on Wednesday?



Addition Word Problem Challenge Cards

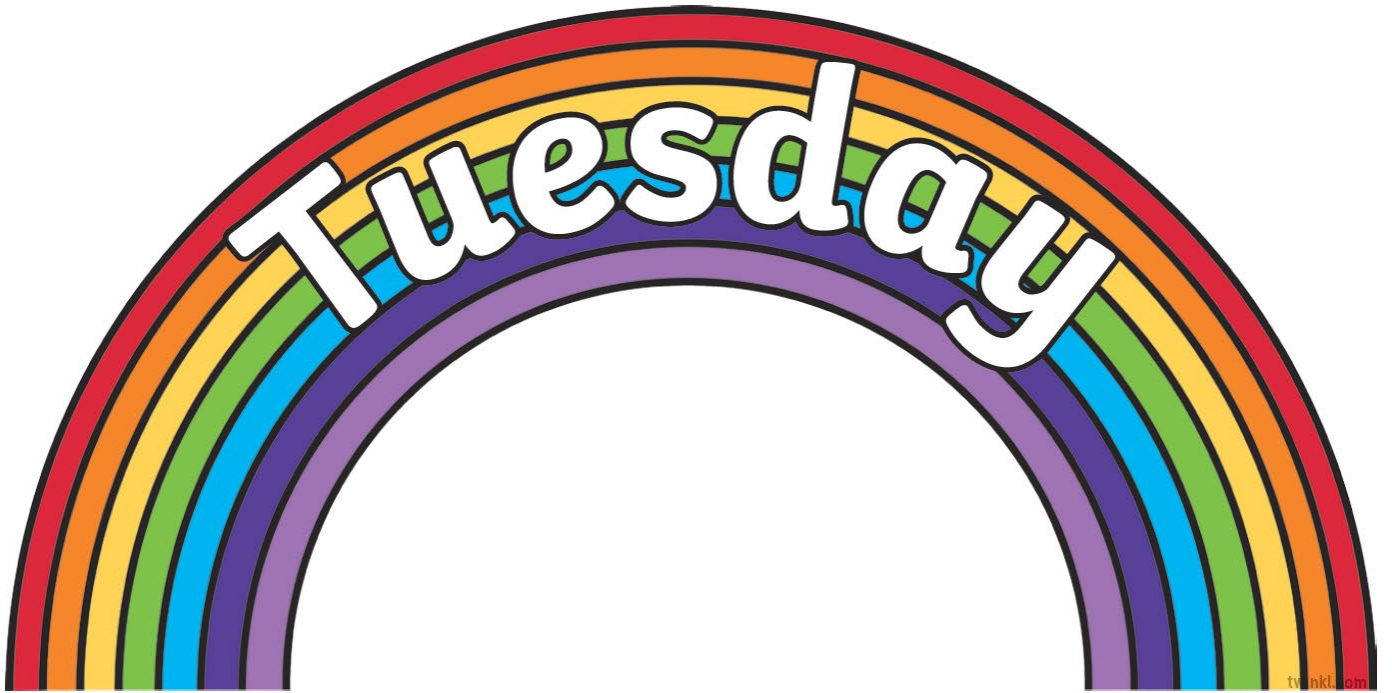


Sophie and Ted are collecting football stickers. Ted had 25 football stickers. Sophie has 36.

How many do they have in total?

How many more stickers does Sophie have than Ted?







# Minute 18



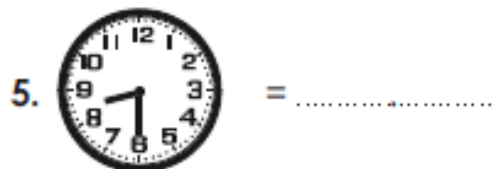
Name: ..... Date: .....

1.  $50 + 20 = \dots\dots\dots$




2. Write the missing number. 35, 40, ....., 50, 55

3.  $9 + 9 = \dots\dots\dots$

*For Questions 4 and 5, write the time shown on the clocks.*



6. Write the number **fifty-six**. .....

7.  + ? +  = 

5 +  + 2 = 9

*For Questions 8 and 9, circle the greater number.*

8. 76      67

9. 50      53

10. Name the shape. ....



## Writing Numbers in Words

Write the following words into numbers:

Three hundred and forty-six	346
Six hundred and thirty-nine	
Nine hundred and thirteen	
Seven hundred and twenty-eight	
Four hundred and six	
Nine hundred and thirty	
One hundred and four	
Five hundred and thirty-five	
Two hundred and twenty-two	
Four hundred and sixty	
Eight hundred and seventy-eight	
Nine hundred and ninety-one	
One hundred and ninety-nine	
Five hundred and fifteen	

## Adding 3-Digit and 2-Digit Numbers - With Carrying

Calculate the answers to the following:

$$\begin{array}{r} 673 \\ + 18 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 457 \\ + 25 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 304 \\ + 69 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 615 \\ + 38 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 149 \\ + 16 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 805 \\ + 85 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 672 \\ + 42 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 581 \\ + 67 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 292 \\ + 36 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 670 \\ + 72 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 662 \\ + 75 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 387 \\ + 51 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 476 \\ + 45 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 158 \\ + 74 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 379 \\ + 26 \\ \hline \\ \hline \end{array}$$

## Subtracting 2-Digit Numbers from 3-Digit Numbers No Exchanging

Calculate the answers to the following:

$$\begin{array}{r} 479 \\ - 18 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 337 \\ - 25 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 584 \\ - 61 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 478 \\ - 38 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 748 \\ - 16 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 563 \\ + 12 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 652 \\ - 32 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 569 \\ - 67 \\ \hline \\ \hline \end{array}$$

## Optional - Challenge Questions

Addition and Subtraction Word Problem Challenge Cards

4. If 445 passengers board a plane and 123 of them are children, how many passengers are adults?



Addition and Subtraction Word Problem Challenge Cards

5. If there are 260 children in a school and 42 of them are out on a school trip, how many children would be left in school that day?



Addition and Subtraction Word Problem Challenge Cards

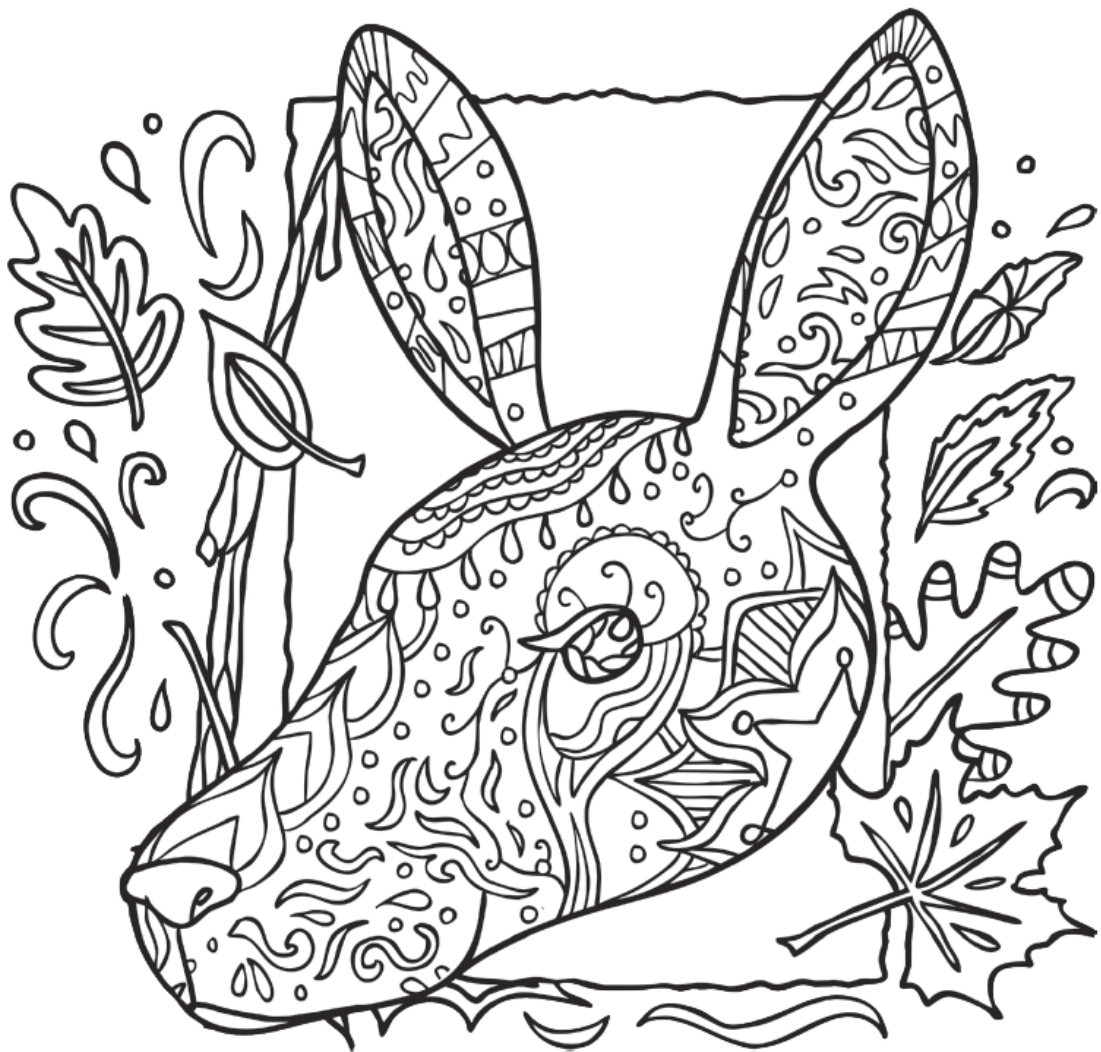
6. If it is 550 miles from London to Glasgow and you have already driven 235 miles, how many miles would you have left to travel?



Addition and Subtraction Word Problem Challenge Cards

7. If a gardener plants 206 daffodil bulbs and 176 tulip bulbs, how many bulbs will the gardener have planted altogether?





# Minute 19



Name: ..... Date: .....

Use the pictograph to complete Questions 1 to 3.

Children who wear glasses



1. How many children wear glasses?

..... children

2. Most children wear glasses.

Circle: True or False

3. How many children do not wear glasses?

..... children

4.  $30 + 10 =$  .....

5.  $40 - 30 =$  .....

For Questions 6 and 7, circle the greater number.

6. 53      45

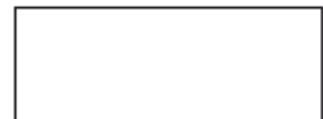
7. 47      74

For Questions 8 and 9, write the missing number.

8. 40, 50, 60, ....., 80, 90

9. 15, 18, ....., 24, 27

10. Name the shape. ....



## Writing Numbers in Words

Write the following numbers in words:

243	Two hundred and forty-three
567	
785	
391	
669	
402	
513	
699	
840	
709	
112	
590	
519	
101	

# Addition and Subtraction Facts to 50

See how long it takes you to complete all of these or give yourself a set amount of time (say 5 mins) and see how many you can do.



$17 + 2 =$	$24 - 5 =$	$10 + 20 =$	$15 + 3 =$	$21 - 9 =$
$19 - 5 =$	$16 - 12 =$	$10 + 26 =$	$1 + 13 =$	$23 - 3 =$
$15 - 15 =$	$19 - 5 =$	$11 + 31 =$	$17 + 3 =$	$12 + 22 =$
$1 + 44 =$	$29 - 11 =$	$22 + 18 =$	$36 - 6 =$	$31 - 14 =$
$20 + 30 =$	$21 + 16 =$	$20 + 16 =$	$36 - 4 =$	$42 - 6 =$
$25 - 7 =$	$22 + 9 =$	$35 - 9 =$	$11 + 31 =$	$32 + 16 =$
$32 - 12 =$	$36 + 11 =$	$38 - 2 =$	$33 + 1 =$	$37 - 5 =$
$40 - 5 =$	$28 + 9 =$	$1 + 49 =$	$35 + 8 =$	$23 - 15 =$
$34 - 11 =$	$17 + 19 =$	$30 - 19 =$	$38 + 4 =$	$32 - 16 =$
$42 - 7 =$	$44 + 5 =$	$48 - 9 =$	$50 - 0 =$	$3 + 38 =$

## Counting on in 2s Activity

Complete the following sequences:

a) 2    4    6    \_\_\_\_\_ 10 \_\_\_\_\_

b) 24    22    \_\_\_\_\_ 18    \_\_\_\_\_ 14

c) \_\_\_\_\_ 26    28    30    \_\_\_\_\_ 34

d) 46    \_\_\_\_\_    \_\_\_\_\_ 40    38    36

e) 28    \_\_\_\_\_ 32    34    \_\_\_\_\_ 38

f) \_\_\_\_\_ 44    42    \_\_\_\_\_ 38    36

g) 12    14    \_\_\_\_\_    18    \_\_\_\_\_

22

h) 20    \_\_\_\_\_    \_\_\_\_\_ 14    12    10

i) \_\_\_\_\_    \_\_\_\_\_ 56    58    60    62



# Optional - Challenge Questions

Addition Word Problem Challenge Cards

★★★

Jafar was playing marbles. He started with 26 marbles. His friend gave him 12 more.

How many does he now have?

Jafar wants to play a game that needs 50 marbles, how many more does he need?



Addition Word Problem Challenge Cards

★★★

Rashid is making party bags and needs 80 sweets in total. He already has 57 sweets and mum buys a bag of 14 sweets.

How many sweets does he have now?

How many more sweets does he need to finish his party bags?



Addition Word Problem Challenge Cards

★★★

Megan is collecting special coins, she has 26 coins out of 82 to complete her set. She orders another 26 from the post office.

How many coins does she have now?

How many more coins does she need to finish her collection?



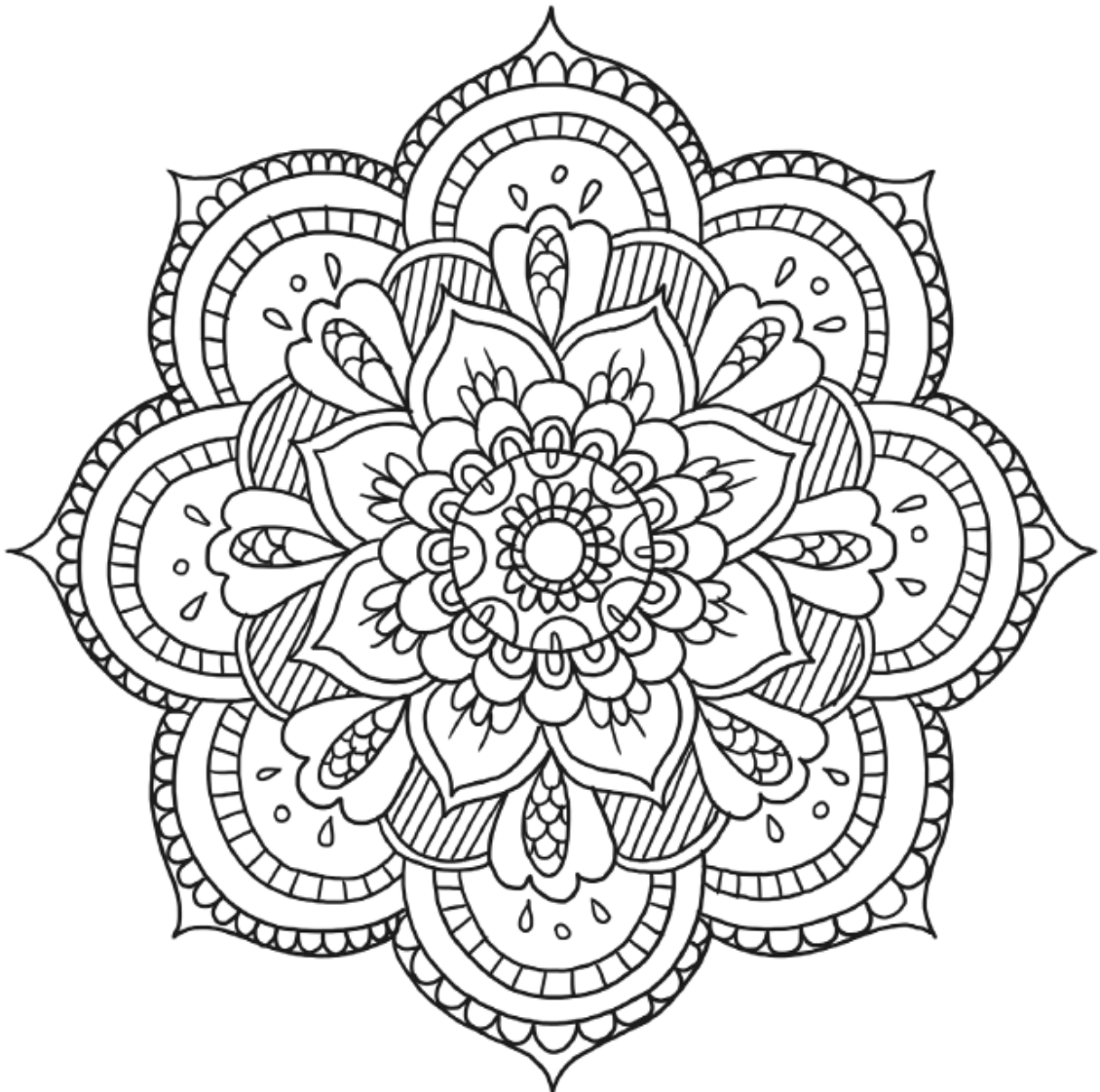
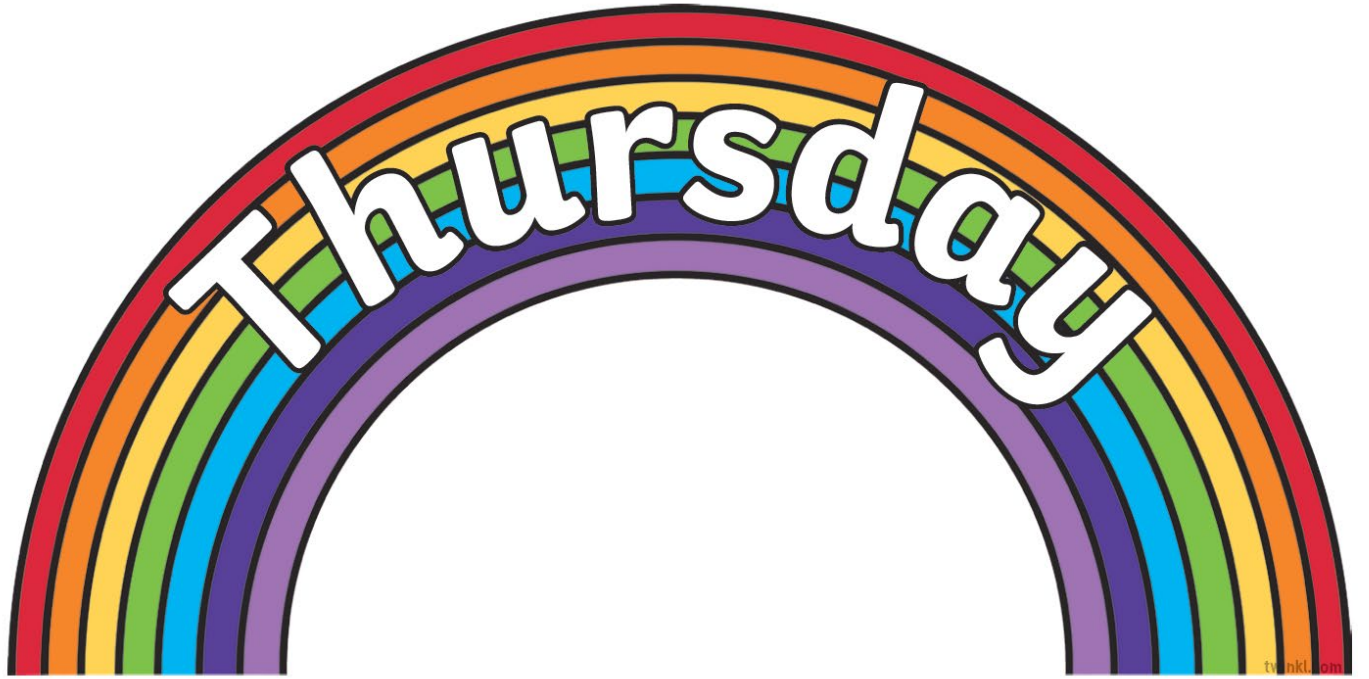
Addition Word Problem Challenge Cards

★★★

Jasmine is helping her mum craft 30 beaded necklaces to sell on her mum's market stall. She crafts 8 on the first day, 6 on the second day and 6 on the third day.

How many beaded necklaces did Jasmine craft altogether?

How many beaded necklaces did mum craft?



# Minute 20



Name: ..... Date: .....

1.  $5 + 12 = \dots\dots\dots$

2. Mason has 4 cars. Casey has 5 cars. How many cars do they have altogether? ..... cars

3.  $\underbrace{\text{3}}_3 + \underbrace{\text{3}}_3 + \underbrace{\text{4}}_4 = \dots\dots\dots$

*For Questions 4 and 5, write the value of the bold digit.*

4. **8**9 .....

5. 2**3** .....

6. Write the missing number. 86, 87, 88, ....., 90, 91

7. Write how much money altogether.



8. Write the number **seventy-three**. .....

*For Questions 9 and 10, use greater than (>), less than (<) or equals (=).*

9. 87  78

10. 54  60

# Counting By Fives

Date \_\_\_\_\_ Name \_\_\_\_\_

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	

# 10 Times Table

Questions:

a.  $2 \times 10 =$  \_\_\_\_\_

b.  $3 \times 10 =$  \_\_\_\_\_

c.  $4 \times 10 =$  \_\_\_\_\_

d.  $5 \times 10 =$  \_\_\_\_\_

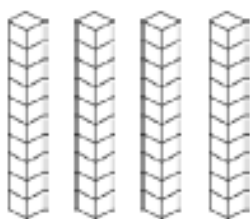
e.  $6 \times 10 =$  \_\_\_\_\_

f.  $7 \times 10 =$  \_\_\_\_\_

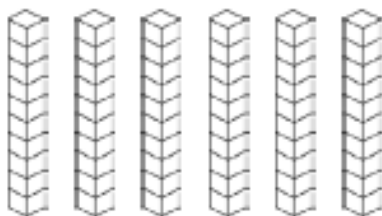
Count in 10s and colour in the grid:

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

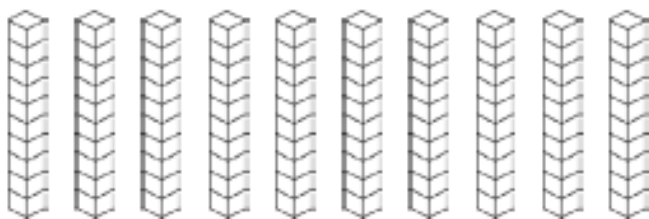
How many of each? There are 10 cubes in each stack.



\_\_\_\_\_  $\times$  \_\_\_\_\_ = \_\_\_\_\_



\_\_\_\_\_  $\times$  \_\_\_\_\_ = \_\_\_\_\_


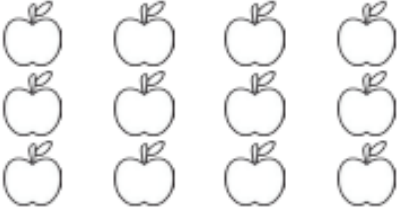


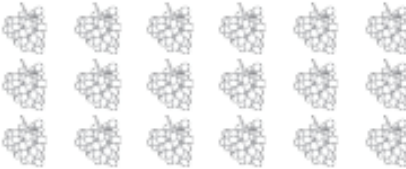
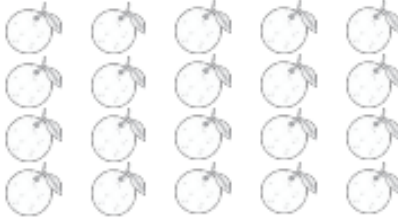


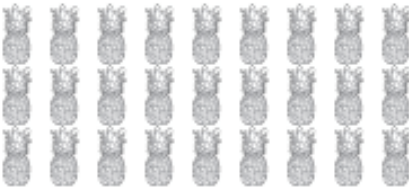


\_\_\_\_\_  $\times$  \_\_\_\_\_ = \_\_\_\_\_

## Optional - Challenge Questions

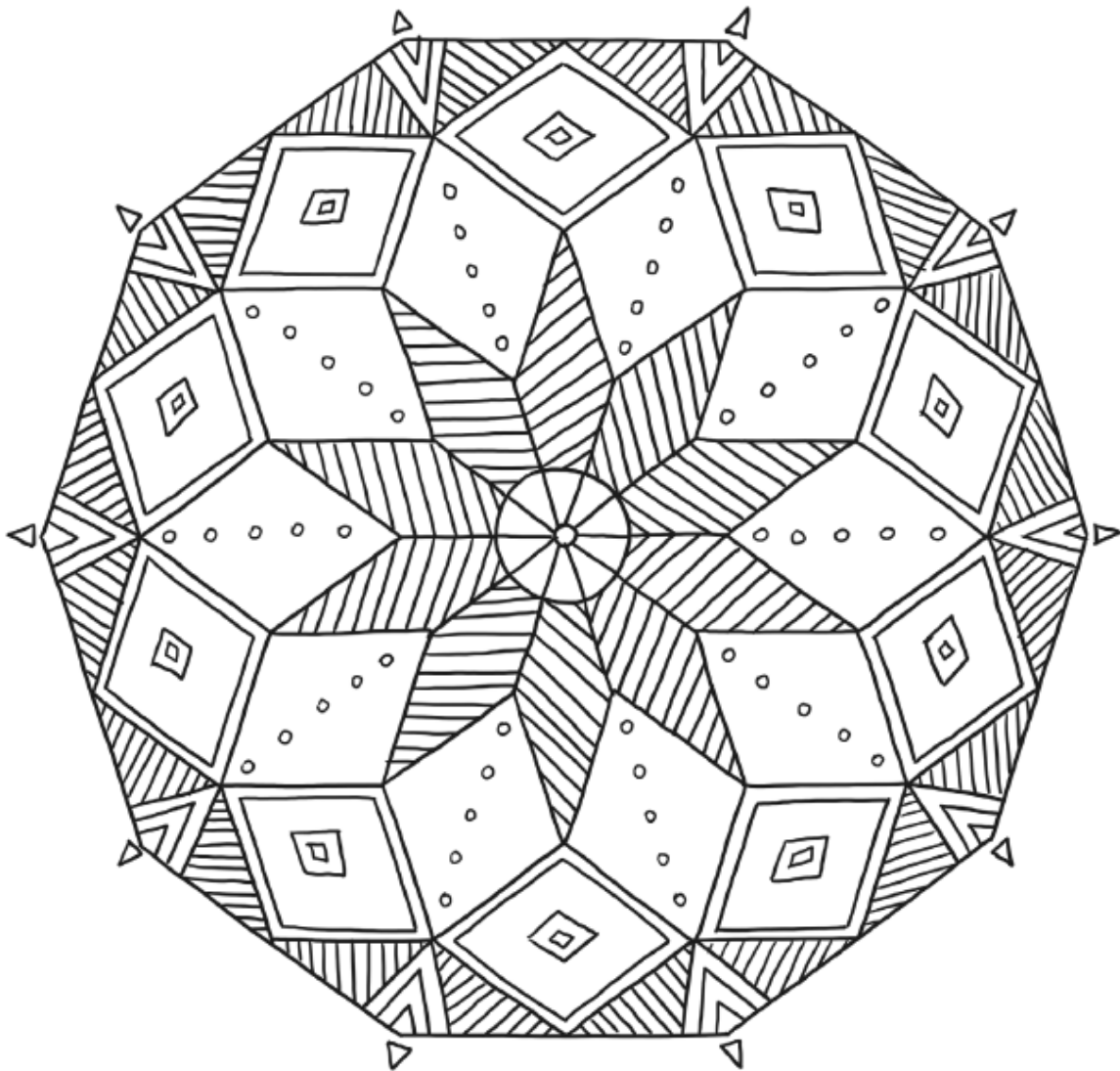
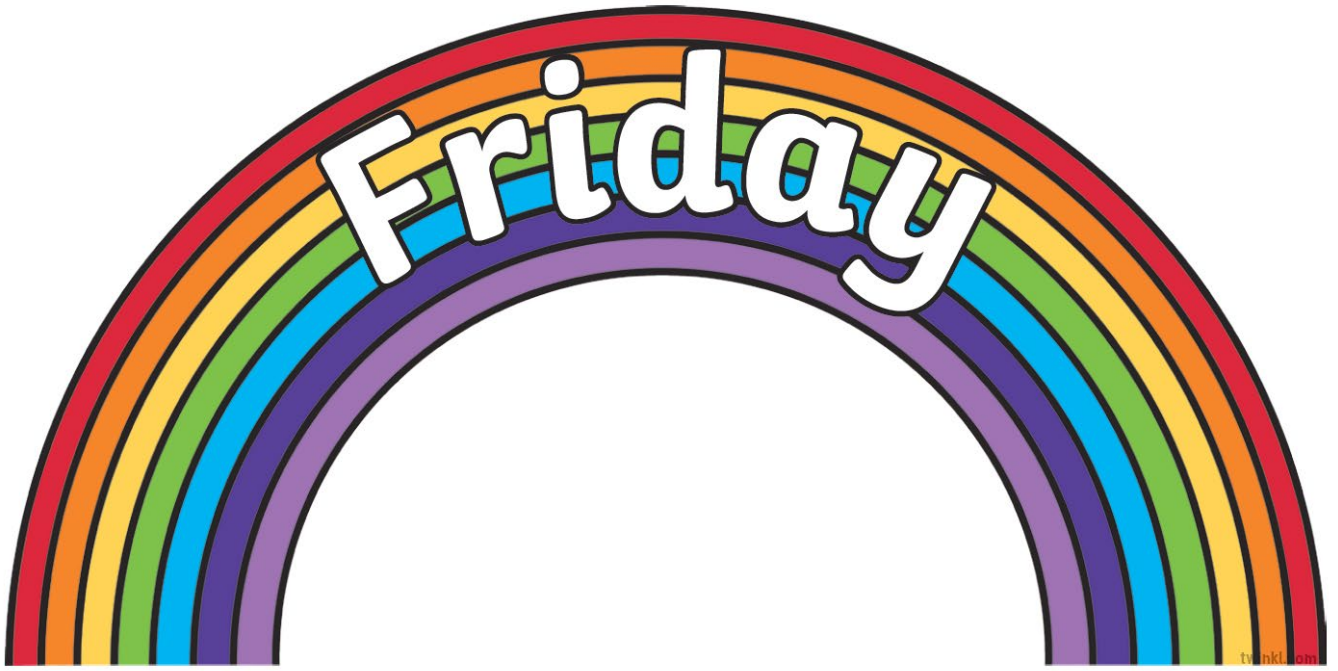
# Multiplication Using Arrays

Write two multiplication sentences for each array.  
The first one has been done for you.

		
$2 \times 5 = 10$ $5 \times 2 = 10$		
		
		

Can you think of a different calculation and draw your own array?

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# Minute 21

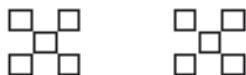


Name: ..... Date: .....

For Questions 1 and 2, write the numbers and add them.

□□□    □□□

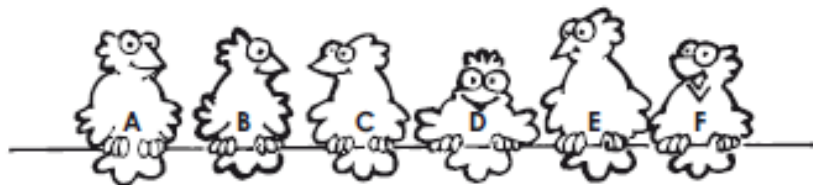
1. .... + .... = .....



2. .... + .... = .....

3. Count by 2s. Write the missing odd number. 1, 3, 5, ....., 9, 11

Use the picture to complete Questions 4 to 6.



4. Draw a circle around the bird that is **fourth**.

5. Draw an X over the bird that is **second**.

6. Draw a box around the bird that is **sixth**.

For Questions 7 and 8, circle the coins you need to buy the food.



9. Write the number **twenty-eight**. .....

10. Draw the clock hands to show 2.00.





# 5 Times Table

Questions:

a.  $2 \times 5 =$  \_\_\_\_\_

b.  $3 \times 5 =$  \_\_\_\_\_

c.  $4 \times 5 =$  \_\_\_\_\_

d.  $5 \times 5 =$  \_\_\_\_\_

e.  $6 \times 5 =$  \_\_\_\_\_

f.  $7 \times 5 =$  \_\_\_\_\_

Count in 5s and colour in the grid:

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

How many of each?



\_\_\_\_\_  $\times$  \_\_\_\_\_ = \_\_\_\_\_



\_\_\_\_\_  $\times$  \_\_\_\_\_ = \_\_\_\_\_



\_\_\_\_\_  $\times$  \_\_\_\_\_ = \_\_\_\_\_

## Optional - Challenge Questions

Odd and Even numbers

Name: \_\_\_\_\_

1. Is the number 14 odd or even?
2. Is the next number in the pattern odd or even? 200, 300, 400, \_\_\_\_\_
3. There are 21 children in a class. Is this an odd or even number?
4. Is the next number in the pattern odd or even? 10, 15, 20, 25, 30, \_\_\_\_\_
5. Is 48 an odd or even number?
6. Will adding 14 and 7 produce an odd or even number?
7. Kim has 149 tomatoes in a crate. Is this an odd or even number of tomatoes?
8. Will doubling 11 produce an odd or even number?
9. Is one more than 999 an odd or even number?
10. There are 24 children in a line. If 6 children walk away is there an odd or even number of children left in the line?

-----  
Circle all the odd numbers:

613    208    565    433    638    339

Circle the largest odd number:

625    247    874    980    572    323

Circle the largest even number:

628    248    474    999    924    321

How many even numbers written below?

322    467    988    727    422    890  
128    342    471    909    344    665