Plattsburg Public School
Learning from Home
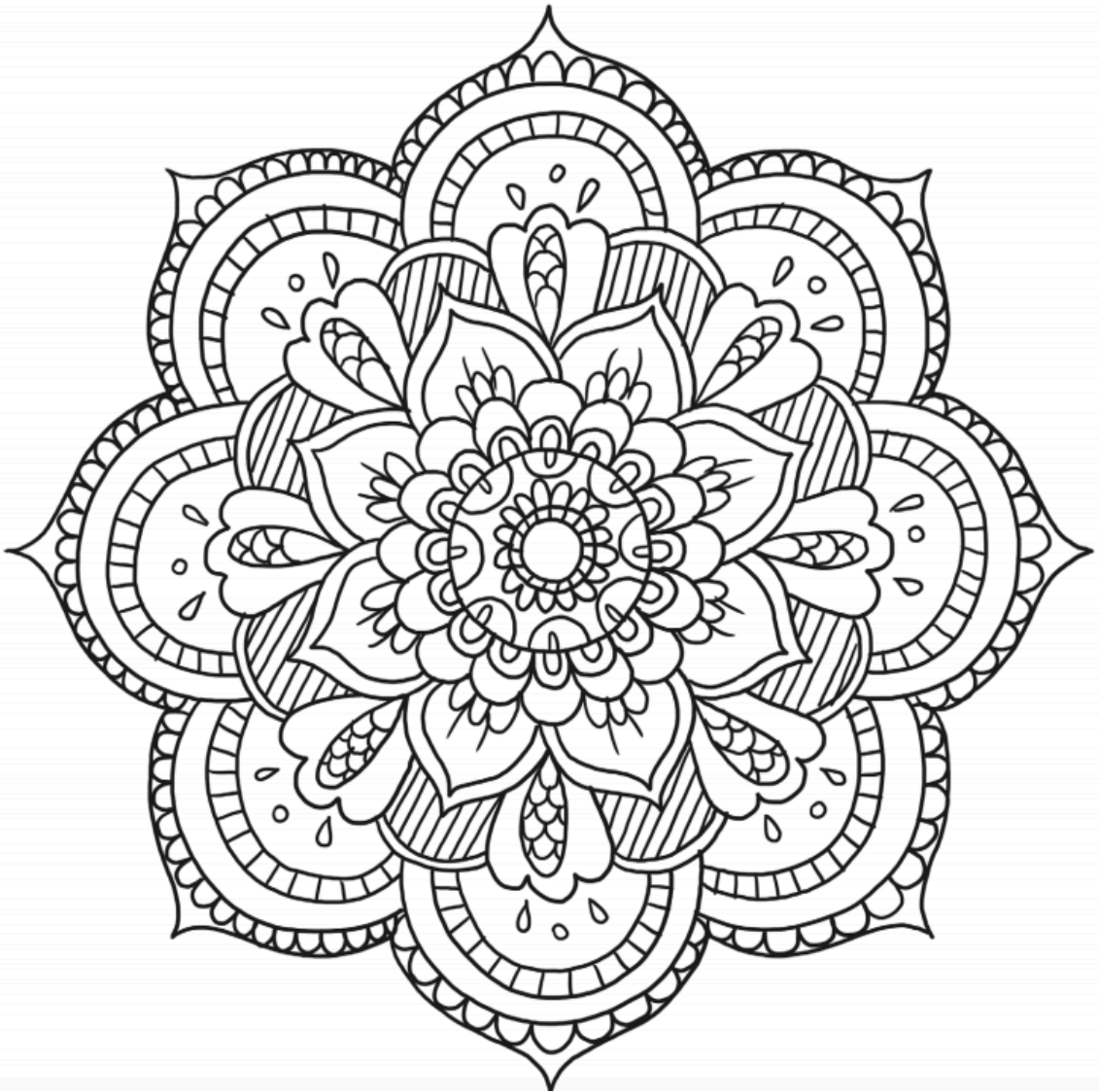## 30th August – 3rd September 2021

2/3B

Group 2
NUMERACY

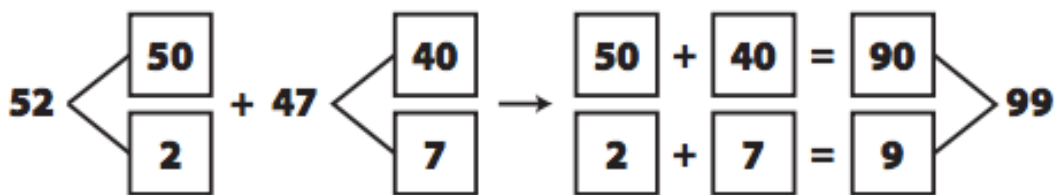TODAY'S MONDAY

JUST ROLL WITH IT.

SPLIT STRATEGY

The split strategy is when you split a number into parts and add each part separately. This is useful for large numbers.

$$52 + 47 = 99$$

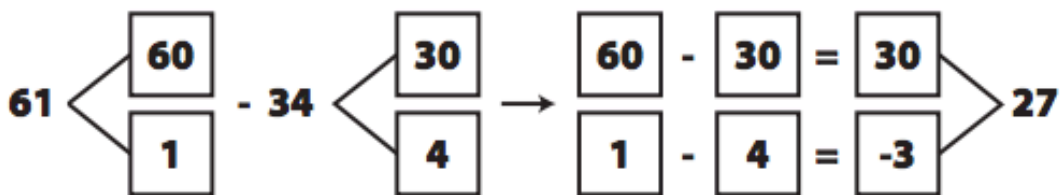Use the split strategy to solve these equations

139 + 893=	562 + 495=
674 + 394=	1280 + 287=

SPLIT STRATEGY

The split strategy is when you split a number into parts and subtract each part separately. This is useful for large numbers.

$$61 - 34 = 27$$

teachstarter

Use the split strategy to solve these equations

128 - 654=	527 - 185=
984 - 373=	1350 + 187=

Continue the Number Pattern

I can use an addition or subtraction rule to complete a number pattern. (ACMNA060)

Use the rule to help you complete the number patterns.

1. Rule = +4

   10, 14, 18, 22, _____, _____, _____.

2. Rule = +6

   16, 22, 28, 34, _____, _____, _____.

3. Rule = +2

   18, _____, 22, 24, _____, 28, _____.

4. Rule = +10

   100, 110, 120, 130, _____, _____, _____.

5. Rule = -5

   45, 40, 35, 30, _____, _____, _____.

6. Rule = -10

   98, 88, 78, 68, _____, _____, _____.

7. Rule = -3

   19, 16, _____   _____ _____

Can you create your own number pattern? Show me!

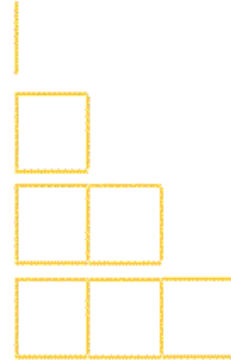Don't forget to write down the rule!

_____

_____

Matchsticks

Age 7 to 11
Challenge Level ★

Imagine a matchstick.

How many more are needed to make a square?
How many more need adding to make yet another square along side it?
Carry on adding more squares ...

How many matches have you added?
How many matches are there when you have made 10 squares in the row?
20 squares? 50 squares?

You have two sets of the digits from 0 to 9.

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

The idea is to arrange these digits in the five boxes to make four-digit numbers as close to the target number as possible.
You may use each digit once only.

	largest odd number

	largest even number

	largest multiple of 3

	smallest multiple of 5

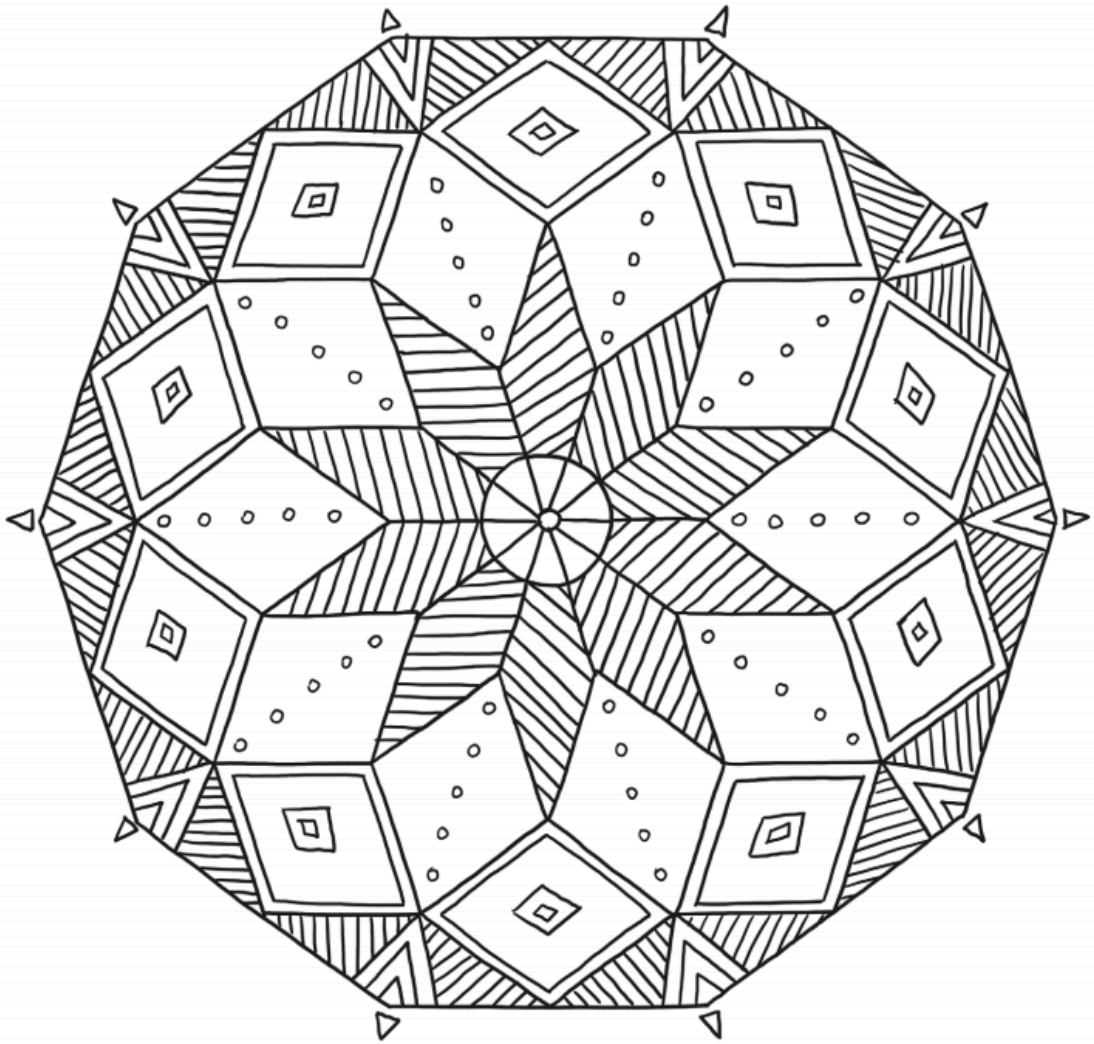|	number closest to 5000

Multiplication and Division

I look after 5 dogs. I have 30 biscuits to share equally between them. How many biscuits can I give to each dog?

Multiplication and Division

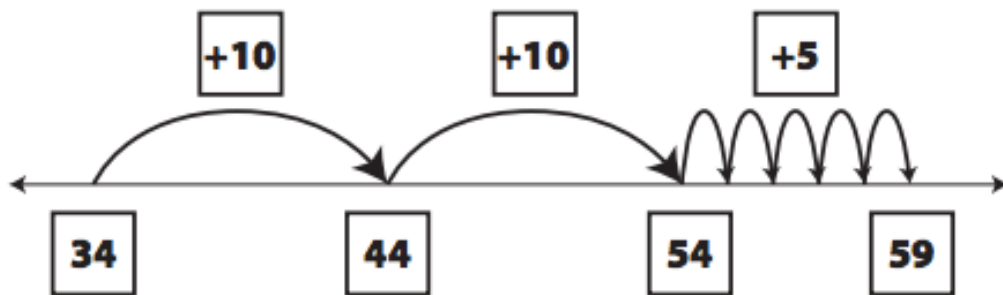In a relay race, 4 children swim 2 lengths each. How many lengths are swam altogether?

i'z lookin pritty sharp today!

HAPPY TUESDAY!!!!

JUMP STRATEGY

The jump strategy is when you use a number line to jump in tens and ones to arrive at the answer.

34 + 25 = 59

Use the jump strategy to solve these equations

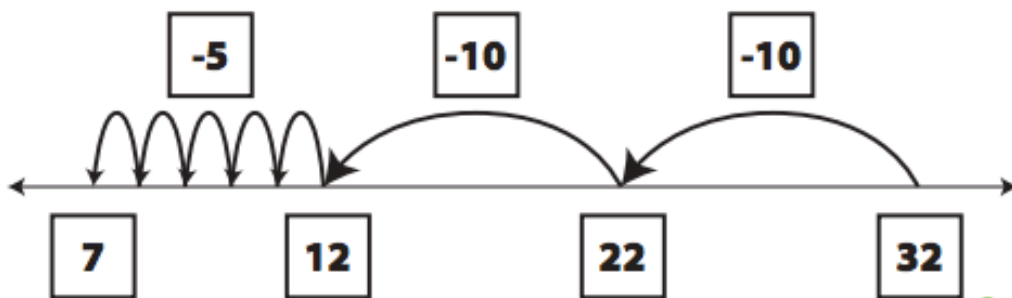| 190 + 56 =	345 + 120 =
756 + 336=	1080 + 237=

JUMP STRATEGY

The jump strategy is when you use a number line to jump in tens and ones to arrive at the answer.

32 - 25 = 7

Use the jump strategy to solve these equations

145 - 57 =	970 - 234 =
906 - 126 =	1240 - 127=

Continue the Number Pattern

I can use an addition or subtraction rule to complete a number pattern. (ACMNA060)

Use the rule to help you complete the number patterns.

1. Rule = +12

    24, 36, 48, 60, _____, _____, _____.

2. Rule = +8

    48, 56, 64, 72, _____, _____, _____.

3. Rule = +15

    150, _____, 180, 195, 210, _____, _____.

4. Rule = +6

    66, 72, 78, 84, _____, _____, _____.

5. Rule = -5

    49, 44, 39, 34, _____, _____, _____.

6. Rule = -10

    194, _____, 174, 164, _____, 144, _____.

7. Rule = -3

    97, 94, _____, 88, _____, _____, 79.

Can you create your own number pattern? Show me!

Don't forget to write down the rule!

_____

_____

Countdown

Age 7 to 14
Challenge Level

Here is a chance to play a version of the classic **Countdown Game**.

The challenge is to use the numbers available and the four standard operations (addition, subtraction, multiplication and division) to hit the target.

You can only use each card once in your solution, and it is always possible to find a solution.

Woke up this morning like...

Happy Wednesday
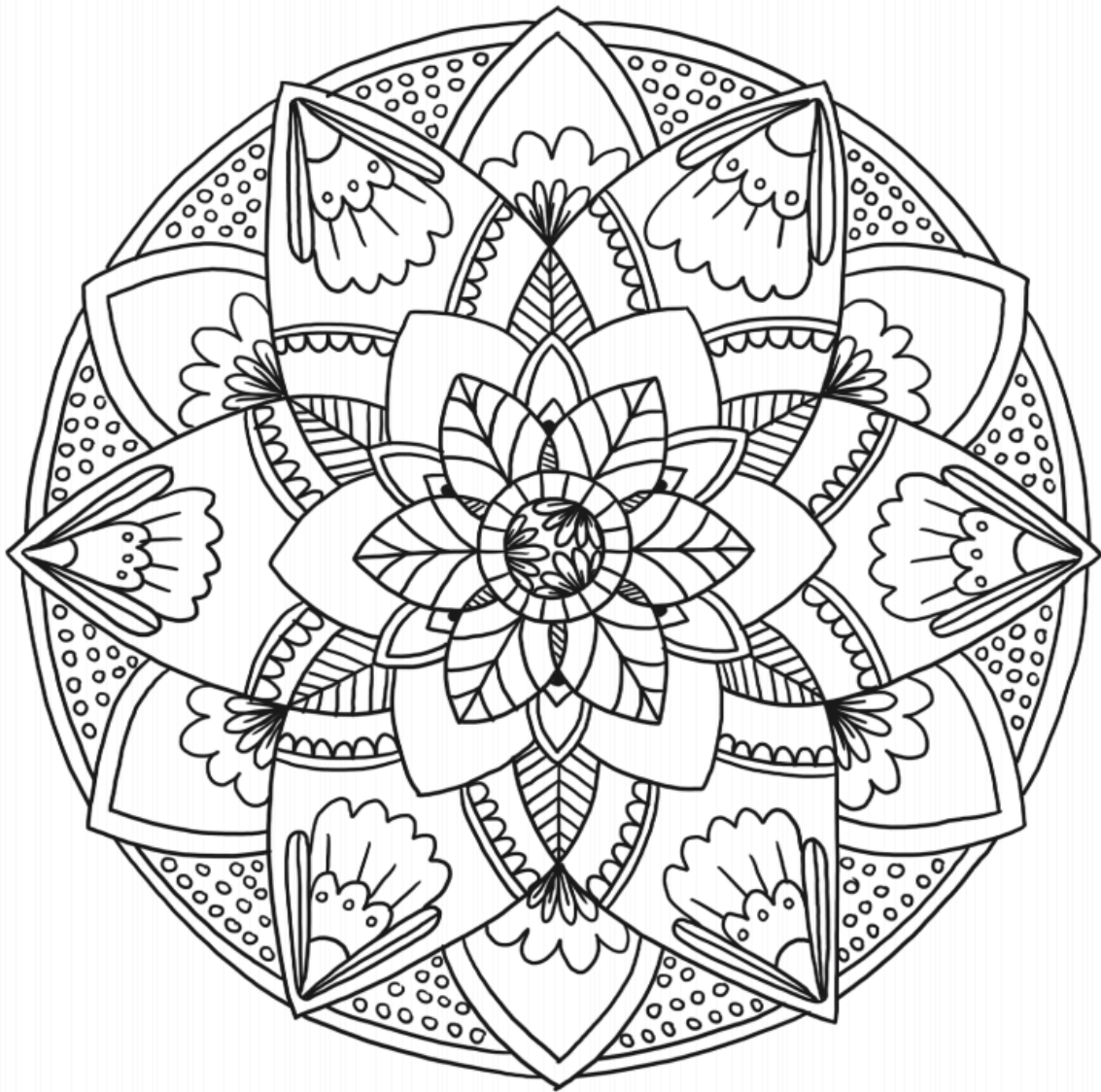
Minute 1

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

1. Write the next number in the pattern.

   2, 4, 6, 8, ...

2. There are .... corners on the shape.

3. Is 11 an **odd** or **even** number? ....

4. Circle the digit in the **tens** place.   264

5. There are 3 blue blocks and 5 red blocks.
   How many blocks are there altogether? .... blocks

6. Milo has 7 pencils. He gives 2 to a friend.
   How many pencils does Milo have left? .... pencils

Use the pictograph to complete Questions 7 and 8.

Favourite sport

Baseball	
Soccer	
Swimming	

(Each symbol equals one child.)

7. How many children like swimming? .... children

8. Which sport is most popular? ....

For Questions 9 and 10, write true or false.

9. 7 comes **after** 17. ....

10. 12 comes **before** 11. ....

My score: _____ / **10**

My time: ....
                      minutes   seconds

MINECRAFT

Name:_____

Which Monster?

A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
14	15	16	17	18	19	20	21	22	23	24	25	26

Solve the equations and use the above code to fill in each box. Figure out which Minecraft monster the clue describes.

55-52	19-18	8+6	40-20		11+8	41-18	8+1	21-8

Answer: _____

30-25	8+8+8	20-4	24-12	26-11	60-56	17-12	8+8+3

Answer: _____

7+7+7	29-10	74-69	6+13		24-8	90-75	10+10	5+4	20-5	30-16	21-2

Answer: _____

10-2	56-55	14+5		8		26-14	32-27	15-8	17+2

Answer: _____

Zios and Zepts

On the planet Vuv there are two sorts of creatures. The Zios have 3 legs and the Zepts have 7 legs.
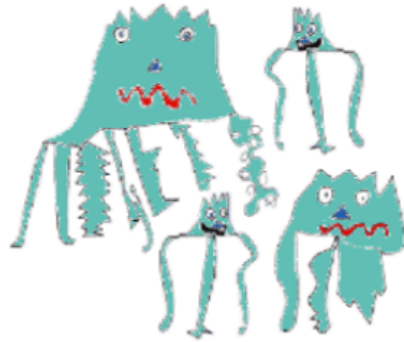
The great planetary explorer Nico, who first discovered the planet, saw a crowd of Zios and Zepts. He managed to see that there was more than one of each kind of creature before they saw him. Suddenly they all rolled over onto their backs and put their legs in the air.

He counted 52 legs. How many Zios and how many Zepts were there?
Do you think there are any different answers?
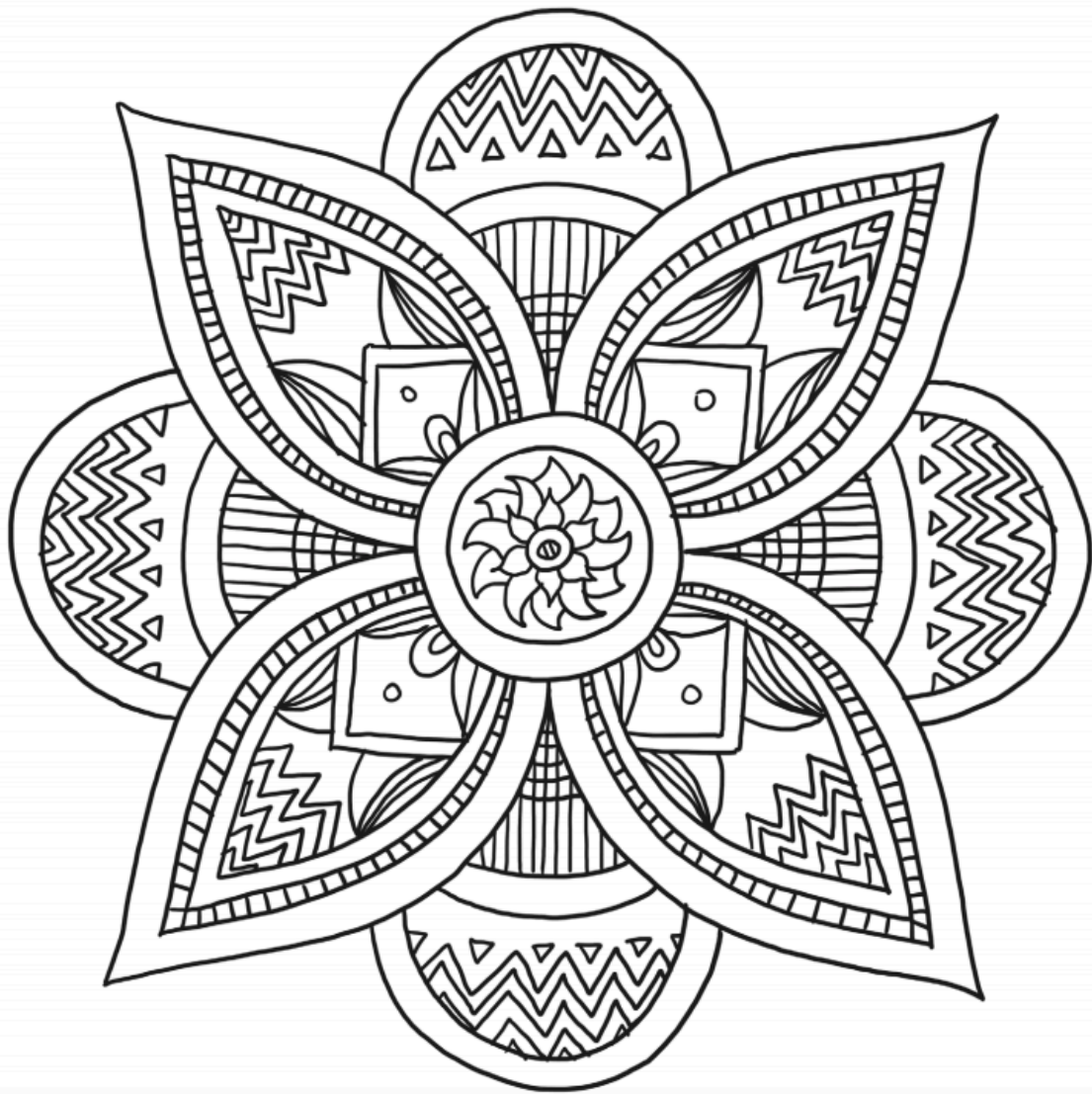

Multiplication and Division

4 groups of children go on a school trip. There are 10 children in each group. How many children go on the trip?

Multiplication and Division

Adults can take 5 children each to the cinema in their cars. If 40 children are going to the cinema how many cars are needed to take them?

Ta da it's Thursday !

Nearly the Weekend

Minute 2

1. Look at the shaded figure. Circle the figure that is the same shape and size.

A △ B ⬡ C □ D ○

2. 6 + 3 = ...

3. Write the next number in the pattern.   0, 5, 10, 15, ...

4.

🪙🪙
🪙🪙🪙   +   🪙🪙🪙   = ...c

5. Circle each group. Write how many are in each group.

☆☆   ☆☆   There are .... in each group.
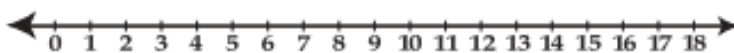 ☆   ☆

6. Circle the digit in the **ones** place.   365

For Questions 7 and 8, circle the greater number.

7. 15   21

8. 45   39

Use the number line to complete Questions 9 and 10.

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

9. 12 − 2 = ...

10. 12 − 6 = ...

My score: ___
        10

My time: ....
              minutes   seconds

MINECRAFT

Which Friendly Mob?

Name:_____

A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
14	15	16	17	18	19	20	21	22	23	24	25	26

Solve the equations and use the above code to fill in each box. Figure out which friendly mob from Minecraft the clue describes.

14 -11	77 -76	8+6		20-2	90 -81	52 -48	3+2		50 -30	32 -24	64 -59	27 -14

Answer: _____

8-4	9+9	42 -27	9+7	39 -20		17-1	11 +4	9+9	14-3	1+1 +1	4+4	60 -45	8+8	10 +9

Answer: _____

25 -13	5+4	51 -29	15 -10	16 +3		17-8	24 -10		12 + 11	31 -30	43 -23	19 -14	6+6 +6

Answer: _____

27 -4	2+7	33 -21	24 -12		52 -32	39 -21	17 -16	19 -15	4+1		8+1	36 -16	16 -11	12 +1	11 +8

Answer: _____

Multiplication Wheels

I can count in 2s. Fill in the blanks.

0

2

_____

_____

_____

10

_____

_____

16

_____

_____

I can complete missing number calculations.

2 × ___ = 10	2 × ___ = 8	2 × ___ = 16
2 × ___ = 12	2 × ___ = 14	2 × ___ = 2
2 × ___ = 4	2 × ___ = 0	2 × ___ = 0
2 × ___ = 0	2 × ___ = 18	2 × ___ = 12
2 × ___ = 14	2 × ___ = 16	2 × ___ = 16
2 × ___ = 8	2 × ___ = 0	2 × ___ = 20
2 × ___ = 0	2 × ___ = 18	2 × ___ = 4
2 × ___ = 4	2 × ___ = 2	2 × ___ = 12
2 × ___ = 20	2 × ___ = 16	2 × ___ = 2
2 × ___ = 10	2 × ___ = 6	2 × ___ = 8
2 × ___ = 6	2 × ___ = 10	

Multiplication and Division

I buy 6 bottles of lemonade. If there are 2 litres in each bottle, how many litres of lemonade have I bought?

Multiplication and Division

When I plant my onions I plant 6 rows and put I O onions in each row. How many onions do I plant?

FRIDAY!!!

YES!!!

Place Value Challenge

Arrange the given digits to make a number that meets the given criteria.

1. Between 161 and 169:
6, 1, 7

H	T	O

2. Between 295 and 311:
9, 2, 9

H	T	O

3. Between 392 and 397:
5, 3, 9

H	T	O

4. Between 134 and 189:
5, 4, 1

H	T	O

5. Between 576 and 601:
9, 5, 7

H	T	O

6. Between 784 and 812:
8, 5, 7

H	T	O

7. Between 986 and 1000:
8, 8, 9

H	T	O

8. Between 784 and 876:
8, 4, 7

H	T	O

9. Between 578 and 811:
8, 6, 7

H	T	O

MINECRAFT

Name:_____

Which Monster?

A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
14	15	16	17	18	19	20	21	22	23	24	25	26

Solve the equations and use the above code to fill in each box. Figure out which Minecraft monster the clue describes.

10 +9	5+3	30 -15	45 -30	14 +6	42 -23		18 -12	22 -13	20 -2	16 -11	32 -30	21 -20	20 -8	6+6	14 +5

Answer: _____

13-10	100 -99	7+7		4-2	30-25		30-17	62-61	13+1	50-25

Answer: _____

3+1	6+3	13-8	40 -21		18-9	28 -14		10 +10	17-9	15 -10		19 +0	50 -29	15 -1

Answer: _____

17 -14	19 -18	5+9		12+8	14-9	23 -11	11-6	18-2	11+4	14+4	9+11

Answer: _____

Multiplication Wheels ★
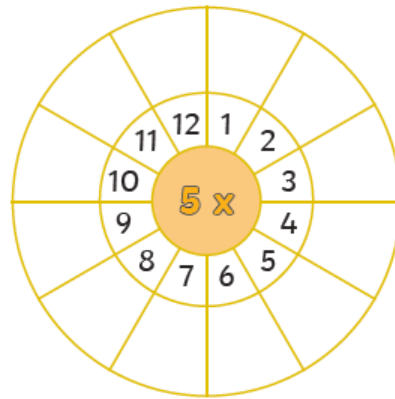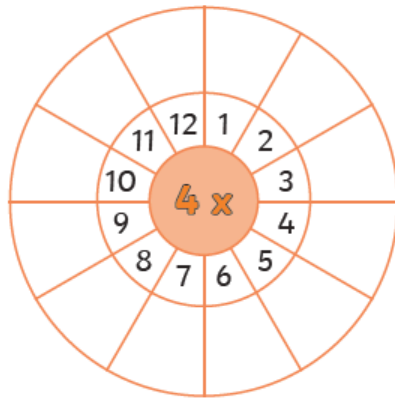
I can complete missing number calculations.

3 × ___ = 12	3 × ___ = 30	3 × ___ = 18
3 × ___ = 24	3 × ___ = 9	3 × ___ = 3
3 × ___ 3	3 × ___ = 15	3 × ___ = 0
3 × ___ = 0	3 × ___ = 18	3 × ___ = 12
3 × ___ = 30	3 × ___ = 24	3 × ___ = 18
3 × ___ = 21	3 × ___ = 0	3 × ___ = 27
3 × ___ = 0	3 × ___ = 18	3 × ___ = 6
3 × ___ = 9	3 × ___ = 6	3 × ___ = 12
3 × ___ = 24	3 × ___ = 15	3 × ___ = 30
3 × ___ = 6	3 × ___ = 27	3 × ___ = 9
3 × ___ = 21	3 × ___ = 12	

I can complete 3 times table calculations.

0 × 3 = _____

1 × 3 = _____

2 × 3 = _____

3 × 3 = _____

4 × 3 = _____

5 × 3 = _____

6 × 3 = _____

7 × 3 = _____

8 × 3 = _____

9 × 3 = _____

10 × 3 = _____

Multiplication and Division

I plant 80 carrots, 10 in each row. How many rows of carrots do I plant?

Multiplication and Division

I buy 8 packets of sweets. There are 5 sweets in each packet. How many sweets do I have?