

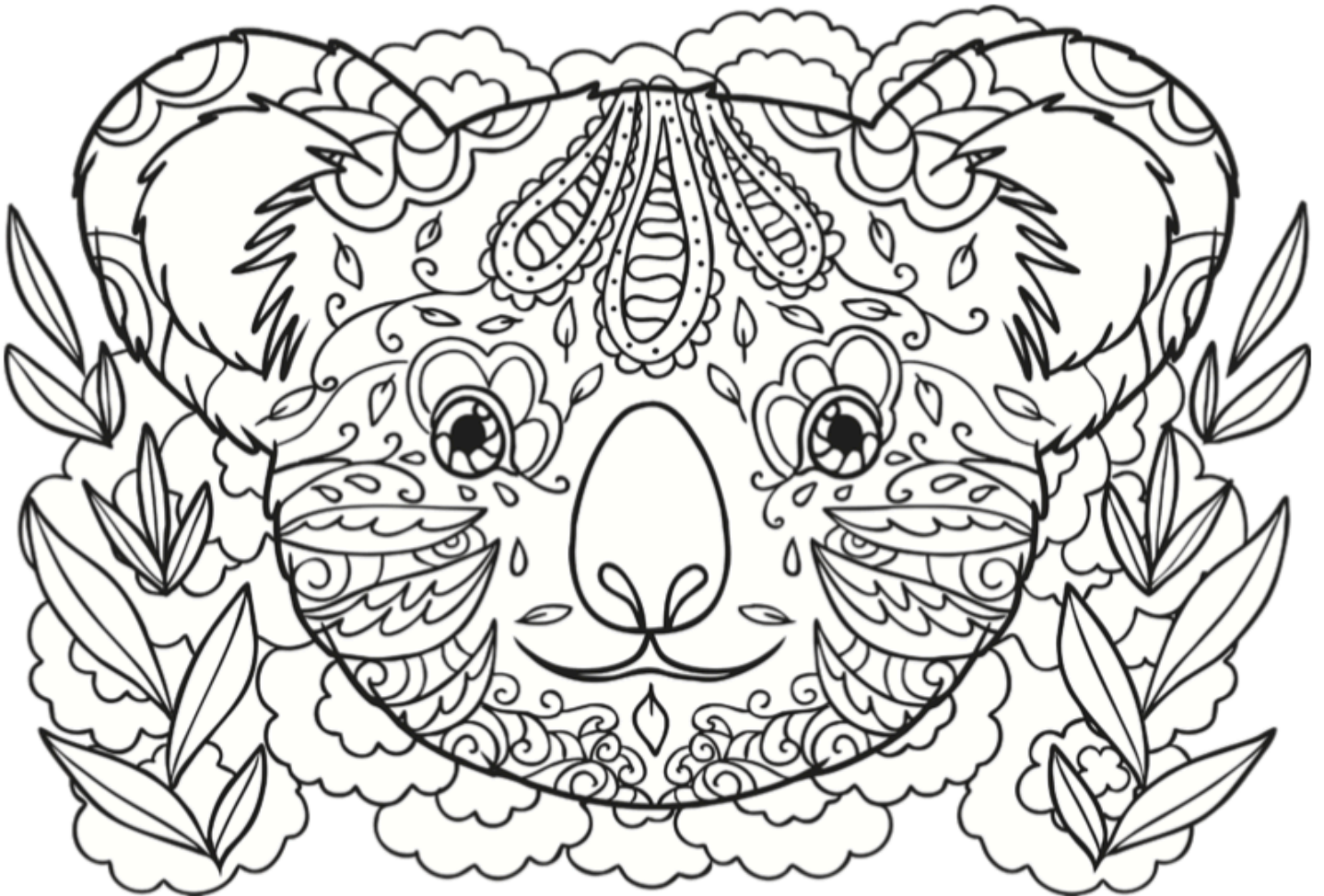
Plattsburg Public School
Learning from Home

2/3B

Group 2

NUMERACY





Place Value to 4 Digits

Number	Words	Expanded Form	Picture
_____	____ thousands ____ hundreds ____ tens ____ ones	$1000 + 500 + 90 + 7$ $=$ _____	
_____	2 thousands 5 hundreds 7 tens 3 ones	_____ + _____ + _____ + ____ $=$ _____	
1574	____ thousands ____ hundreds ____ tens ____ ones	_____ + _____ + _____ + ____ $=$ _____	
2635	____ thousands ____ hundreds ____ tens ____ ones	_____ + _____ + _____ + ____ $=$ _____	
7354	____ thousands ____ hundreds ____ tens ____ ones	_____ + _____ + _____ + ____ $=$ _____	
_____	____ thousands ____ hundreds ____ tens ____ ones	$2000 + 600 + 40 + 3$ $=$ _____	
_____	5 thousands 5 hundreds 5 tens 5 ones	_____ + _____ + _____ + ____ $=$ _____	



Adding 3- and 2-Digit Numbers - No Carrying



LO: to use column addition

Calculate the answer to the following:

$\begin{array}{r} 534 \\ + 45 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 213 \\ + 62 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 304 \\ + 84 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 672 \\ + 16 \\ \hline \\ \hline \end{array}$
$\begin{array}{r} 130 \\ + 56 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 802 \\ + 92 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 529 \\ + 50 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 281 \\ + 17 \\ \hline \\ \hline \end{array}$
$\begin{array}{r} 552 \\ + 36 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 607 \\ + 72 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 628 \\ + 21 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 327 \\ + 51 \\ \hline \\ \hline \end{array}$
$\begin{array}{r} 474 \\ + 15 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 153 \\ + 44 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 371 \\ + 22 \\ \hline \\ \hline \end{array}$	

Challenge: Complete the following calculations:

$\begin{array}{r} 4_2 \\ + 15 \\ \hline 467 \\ \hline \end{array}$	$\begin{array}{r} _53 \\ + 4_ \\ \hline 796 \\ \hline \end{array}$	$\begin{array}{r} 8_8 \\ + 21 \\ \hline 84_ \\ \hline \end{array}$
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Adding and Subtracting 3-Digit Numbers



LO: to use column addition and subtraction
Calculate the answer to the following:

$\begin{array}{r} 581 \\ + 238 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 672 \\ - 339 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 760 \\ - 325 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 902 \\ + 378 \\ \hline \\ \hline \end{array}$
$\begin{array}{r} 609 \\ - 526 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 326 \\ + 419 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 487 \\ + 133 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 569 \\ + 650 \\ \hline \\ \hline \end{array}$
$\begin{array}{r} 713 \\ - 286 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 317 \\ - 258 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 628 \\ + 794 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 900 \\ - 278 \\ \hline \\ \hline \end{array}$

Challenge: Complete the following calculations:

$\begin{array}{r} _72 \\ + 4_9 \\ \hline _02_ \\ \hline \end{array}$	$\begin{array}{r} 87_ \\ - _97 \\ \hline 5_3 \\ \hline \end{array}$	$\begin{array}{r} 9_5 \\ + 74_ \\ \hline 1_53 \\ \hline \end{array}$
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Football-Themed 3 Times Table Mosaic

Solve the calculations to reveal the hidden picture. Each answer has a special colour.

blue
= 1-5

red
= 6-11

**skin tone of
your choice**
= 12

green
= 15-21

black
= 24-27

**hair colour of
your choice**
= 30-33

white
= 36

1×3	$15 \div 3$	$9 \div 3$	$3 \div 3$	11×3	10×3	11×3	$6 \div 3$	$3 \div 3$
$12 \div 3$	$6 \div 3$	$15 \div 3$	$12 \div 3$	8×3	4×3	9×3	$15 \div 3$	$12 \div 3$
$9 \div 3$	$12 \div 3$	$6 \div 3$	$9 \div 3$	4×3	$36 \div 3$	4×3	$9 \div 3$	1×3
$12 \div 3$	$15 \div 3$	$9 \div 3$	$3 \div 3$	$15 \div 3$	4×3	$3 \div 3$	$15 \div 3$	$12 \div 3$
$15 \div 3$	$6 \div 3$	$15 \div 3$	3×3	$30 \div 3$	$18 \div 3$	$27 \div 3$	$24 \div 3$	$6 \div 3$
$9 \div 3$	$12 \div 3$	1×3	4×3	$24 \div 3$	2×3	$21 \div 3$	$36 \div 3$	$12 \div 3$
$3 \div 3$	$9 \div 3$	$9 \div 3$	$36 \div 3$	$27 \div 3$	$33 \div 3$	2×3	4×3	1×3
5×3	7×3	6×3	7×3	4×3	7×3	$36 \div 3$	5×3	7×3
9×3	12×3	5×3	6×3	$18 \div 3$	6×3	$24 \div 3$	7×3	6×3
12×3	8×3	6×3	9×3	8×3	5×3	9×3	8×3	5×3

Challenge: Use the inverse operation to write a related fact for these division calculations. Explain how you calculated the inverse.

$$21 \div 3 = 7$$

$$30 \div 3 = 10$$

$$9 \times 3 = 27$$

Ok Monday
let's do this



Ordering 4-Digit Numbers

2156	1211	5369	1456	5786	2191	6819	1126	9105	8888
2145	2399	1365	9499	5876	9091	5010	6151	8527	3013

Compare and order the numbers above, from smallest to largest.

Largest

Smallest

Adding 3-Digit and 2-Digit Numbers - No Carrying

Calculate the answers to the following:

$$\begin{array}{r} 534 \\ + 45 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 213 \\ + 62 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 304 \\ + 84 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 672 \\ + 16 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 130 \\ + 56 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 802 \\ + 92 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 529 \\ + 50 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 281 \\ + 17 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 552 \\ + 36 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 607 \\ + 72 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 628 \\ + 21 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 327 \\ + 51 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 474 \\ + 15 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 153 \\ + 44 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 371 \\ + 22 \\ \hline \\ \hline \end{array}$$

Calculate the following calculations:

$$\begin{array}{r} 4 \quad \underline{\quad} 2 \\ + 15 \\ \hline 467 \\ \hline \end{array}$$

$$\begin{array}{r} \quad \underline{\quad} 53 \\ + 4 \quad \underline{\quad} \\ \hline 796 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \quad \underline{\quad} 8 \\ + 21 \\ \hline 84 \quad \underline{\quad} \\ \hline \end{array}$$

Matching Equivalent Multiplication and Division Number Sentences

I can correctly identify and match equivalent multiplication and division number sentences (ACMNA121).

Draw a line to correctly connect the equivalent multiplication and division number sentences.

3×6
5×10
4×5
9×3
8×2
7×3
11×7
12×4
5×6
4×9

$20 \div 4$
$77 \div 11$
$48 \div 12$
$16 \div 2$
$27 \div 9$
$36 \div 4$
$50 \div 5$
$30 \div 5$
$21 \div 7$
$18 \div 3$

Choose 4 of the equivalent number sentences to write out with the answers.

Example: $4 \times 6 = 24$ and $24 \div 4 = 6$

- _____
- _____
- _____
- _____

Write 3 different equivalent multiplication and division number sentences.

Smile on
TUESDAY



Place Value of Numbers up to 10 000

I can use partitioning to show my understanding of place value of three, four and five-digit numbers. (ACMNA053)

Did you know that 3000 is made up of:

- 3 Thousands
- 30 Hundreds
- 300 Tens
- 3000 Ones

Write these numbers to show your understanding of place value.

1. 900 = _____ Thousands or _____ Hundreds or _____ Tens or _____ Ones
2. 1000 = _____ Thousands or _____ Hundreds or _____ Tens or _____ Ones
3. 6000 = _____ Thousands or _____ Hundreds or _____ Tens or _____ Ones
4. 400 = _____ Thousands or _____ Hundreds or _____ Tens or _____ Ones
5. 8000 = _____ Thousands or _____ Hundreds or _____ Tens or _____ Ones
6. 2000 = _____ Thousands or _____ Hundreds or _____ Tens or _____ Ones
7. 7000 = _____ Thousands or _____ Hundreds or _____ Tens or _____ Ones
8. 9000 = _____ Thousands or _____ Hundreds or _____ Tens or _____ Ones
9. 10 000 = _____ Thousands or _____ Hundreds or _____ Tens or _____ Ones
10. 3000 = _____ Thousands or _____ Hundreds or _____ Tens or _____ Ones
11. 5000 = _____ Thousands or _____ Hundreds or _____ Tens or _____ Ones

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

Calculate the answers to the following:

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

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

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

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

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

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

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

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

$$\begin{array}{r} 298 \\ - 36 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 677 \\ - 72 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 697 \\ - 75 \\ \hline \\ \hline \end{array}$$

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

Calculate the following calculations:

$$\begin{array}{r} 3 \underline{\quad} 7 \\ - 5 \underline{\quad} \\ \hline 302 \\ \hline \end{array}$$

$$\begin{array}{r} 54 \underline{\quad} \\ - \underline{\quad} 2 \\ \hline 515 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \underline{\quad} 8 \\ - 6 \underline{\quad} \\ \hline 833 \\ \hline \end{array}$$

Matching Equivalent Multiplication and Division Number Sentences

I can correctly identify and match equivalent multiplication and division number sentences (ACMNA121).

Draw a line to correctly connect the equivalent multiplication and division number sentences.

9×5
8×4
5×7
6×6
4×6
3×8
2×12
7×6
9×7
11×10

$24 \div 4$
$110 \div 11$
$42 \div 7$
$35 \div 5$
$63 \div 9$
$45 \div 9$
$24 \div 3$
$32 \div 8$
$36 \div 6$
$24 \div 2$

Choose 4 of the equivalent number sentences to write out with the answers.

Example: $4 \times 6 = 24$ and $24 \div 4 = 6$

- _____
- _____
- _____
- _____

Write 3 different equivalent multiplication and division number sentences.



Identifying Number Pattern Rules

Work out what the number pattern rule is for each of these patterns. The pattern might be increasing (addition +) or decreasing (subtraction -).

Use the rule to help you complete the number patterns.

9 19 24 **Rule:** _____

48 44 32 **Rule:** _____

99 90 72 **Rule:** _____

110 130 170 **Rule:** _____

107 97 67 **Rule:** _____

36 42 54 **Rule:** _____

24 36 48 **Rule:** _____

235 233 229 **Rule:** _____



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

Calculate the answers to the following:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Calculate the following calculations:

$$\begin{array}{r} 3 \underline{\quad} 2 \\ + 55 \\ \hline 437 \end{array}$$

$$\begin{array}{r} \underline{\quad} 47 \\ + 4 \underline{\quad} \\ \hline 796 \end{array}$$

$$\begin{array}{r} 8 \underline{\quad} 8 \\ + 65 \\ \hline \underline{\quad} 4 \underline{\quad} \end{array}$$

Colour by Multiplication

Do the multiplication calculation and colour the shape in the correct colour.

0-10

light blue

11-20

purple

21-30

pink

31-40

yellow

41-50

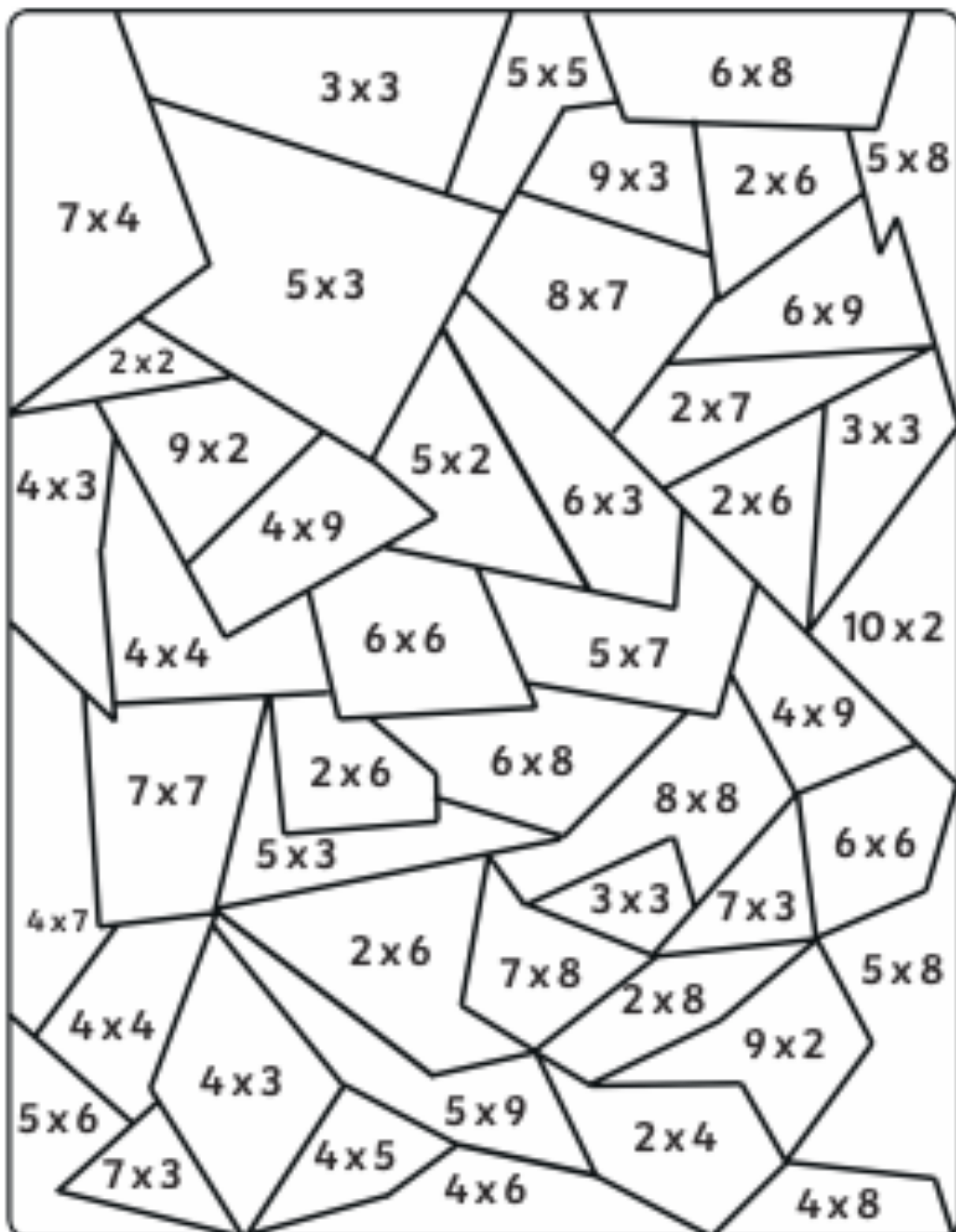
green

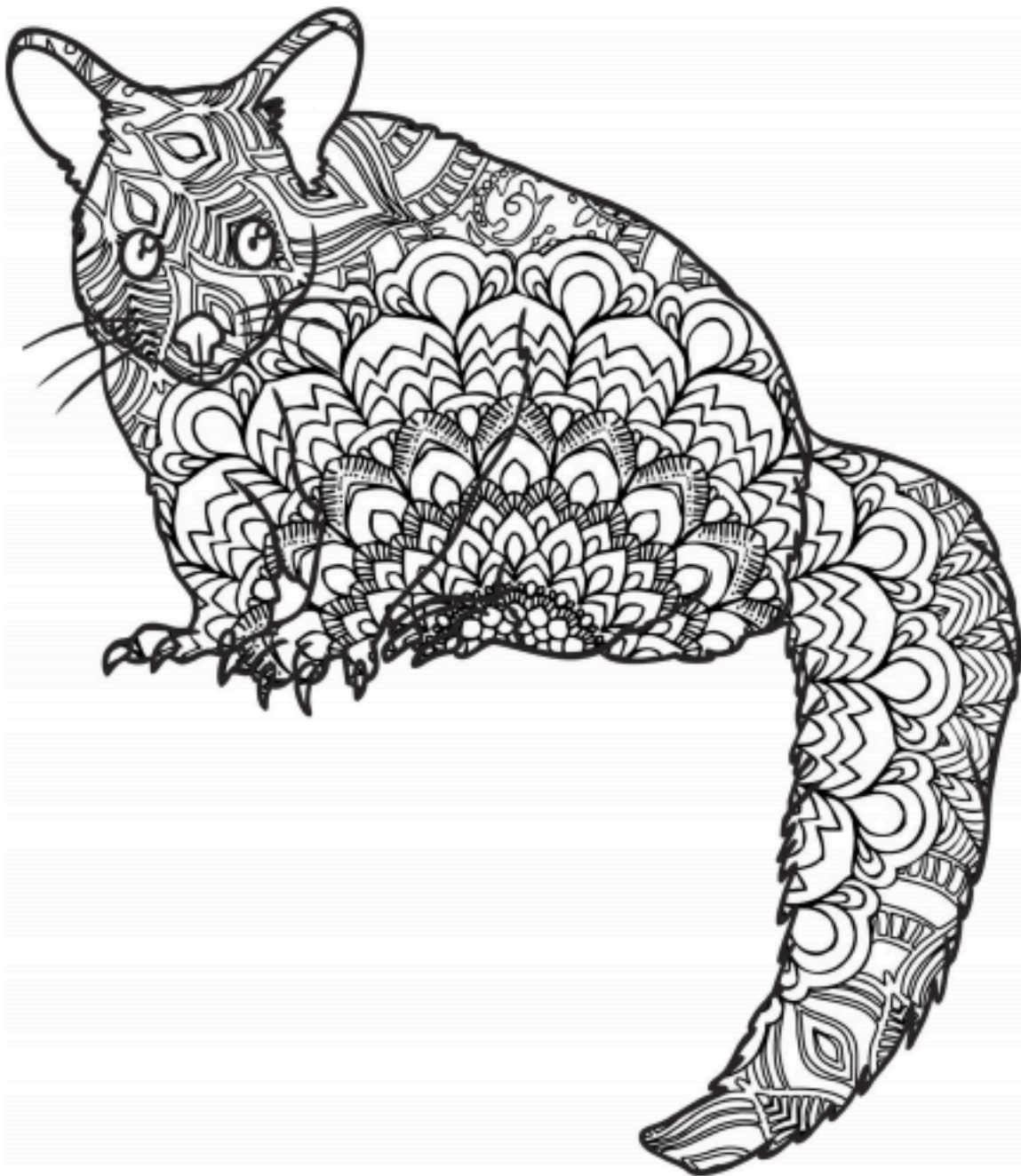
51-60

orange

61-70

dark blue





Odd and Even Number Rules Activity

I can explain what odd and even numbers are.

Here is a collection of numbers. Decide whether they are odd or even and write them under the correct heading in the table.

4 9 7 12 33 54 16
28 15 41 36 20 11 21

Odd	Even

Is there a rule that you can think of for making it easier to identify if a larger number is odd or even? Explain your rule.

Subtracting 2-Digit Numbers from 3-Digit Numbers With Exchanging

Calculate the answers to the following:

$$\begin{array}{r} 343 \\ - 18 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 641 \\ - 25 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 472 \\ - 67 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 473 \\ - 38 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 620 \\ - 16 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 364 \\ + 46 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 415 \\ - 33 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 528 \\ - 67 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 126 \\ - 31 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 673 \\ - 82 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 607 \\ - 64 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 916 \\ - 53 \\ \hline \\ \hline \end{array}$$

Calculate the following calculations:

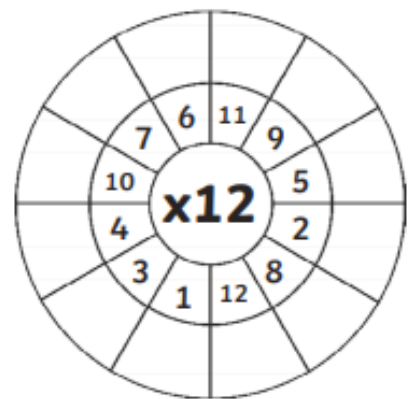
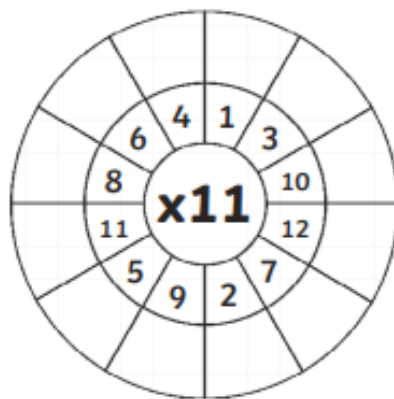
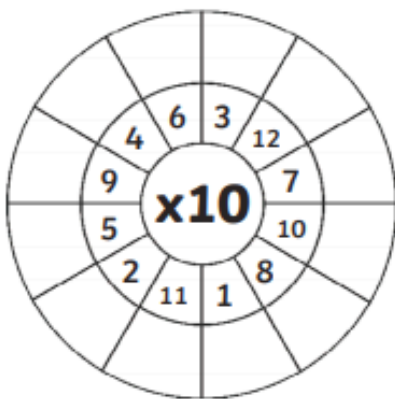
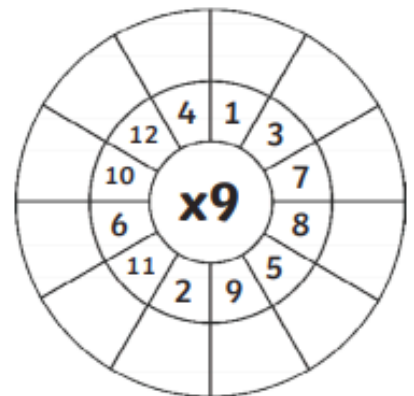
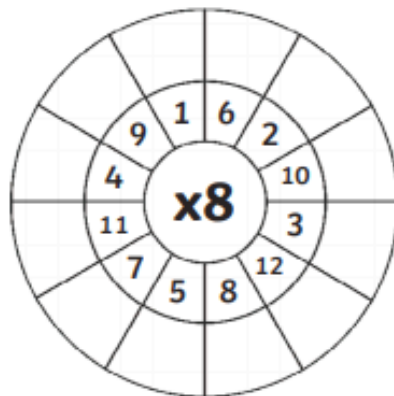
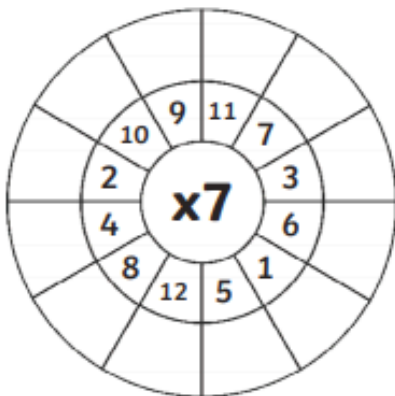
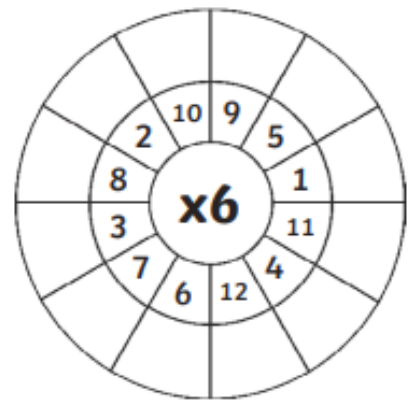
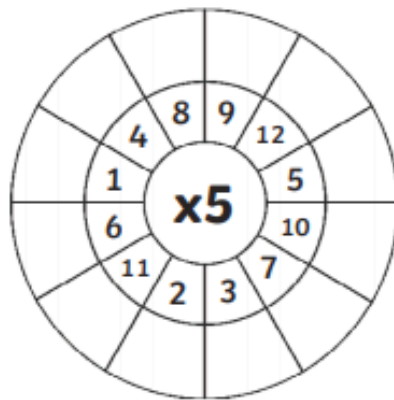
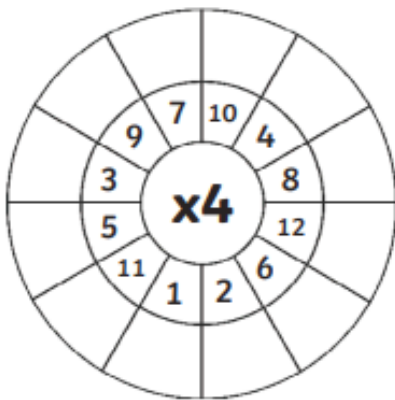
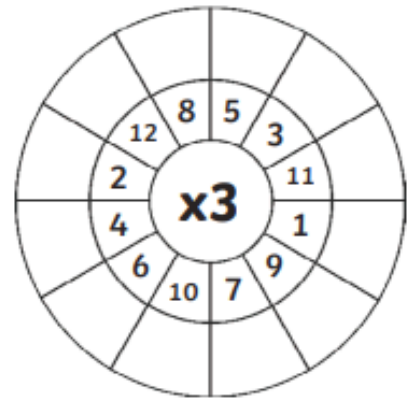
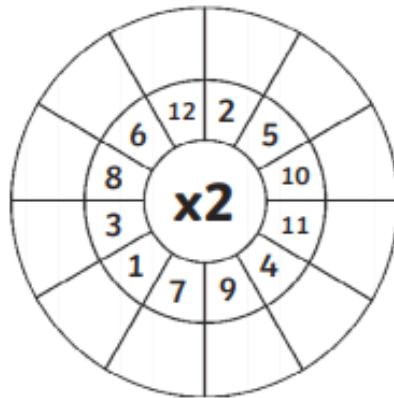
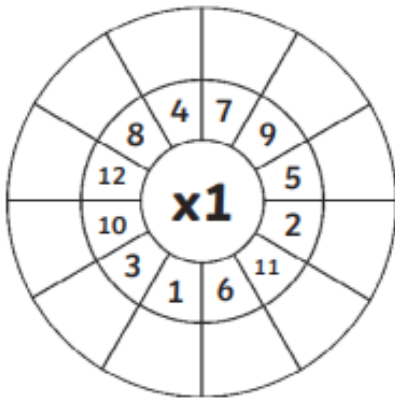
$$\begin{array}{r} 2 \underline{\quad} 2 \\ - 3 \underline{\quad} \\ \hline 220 \\ \hline \end{array}$$

$$\begin{array}{r} 47 \underline{\quad} \\ - \underline{\quad} 4 \\ \hline 449 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \underline{\quad} 1 \\ - 6 \underline{\quad} \\ \hline \underline{\quad} 24 \\ \hline \end{array}$$

Multiplication Wheels

Multiply the numbers by the middle number.





Place Value to 10 000

Remember:

- digits have their place;
- each column gives a value;
- where a number is placed shows its value.

Thousands	Hundreds	Tens	Ones
9	4	8	2
9000	400	80	2

1. What is the value of each number underlined? Write the value as a number.

a. $9\underline{4}82 = \underline{\hspace{2cm}}$

e. $422\underline{0} = \underline{\hspace{2cm}}$

b. $10\underline{2}5 = \underline{\hspace{2cm}}$

f. $37\underline{7}5 = \underline{\hspace{2cm}}$

c. $876\underline{3} = \underline{\hspace{2cm}}$

g. $28\underline{4}2 = \underline{\hspace{2cm}}$

d. $5438 = \underline{\hspace{2cm}}$

h. $\underline{6}297 = \underline{\hspace{2cm}}$

2. Complete the following:

$$4352 = 4000 + 300 + 50 + 2$$

a. $1275 = \underline{\hspace{2cm}} + 200 + \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$

e. $\underline{\hspace{2cm}} = 6000 + 800 + 60 + 7$

b. $5489 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + 80 + \underline{\hspace{2cm}}$

f. $\underline{\hspace{2cm}} = 5000 + 400 + 20 + 2$

c. $3734 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + 4$

g. $\underline{\hspace{2cm}} = 3000 + 700 + 20 + 0$

d. $6644 = 6000 + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$

h. $\underline{\hspace{2cm}} = 9000 + 400 + 60 + 2$

Adding Two 3-Digit Numbers - With Carrying

Calculate the answers to the following:

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

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

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

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

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

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

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

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

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

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

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

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

$$\begin{array}{r} 476 \\ + 485 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 655 \\ + 738 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 379 \\ + 648 \\ \hline \\ \hline \end{array}$$

Calculate the following calculations:

$$\begin{array}{r} 5 \quad \underline{\quad} 8 \\ + \quad 3 \quad \underline{\quad} \\ \hline 1 \quad 4 \quad 8 \quad 7 \end{array}$$

$$\begin{array}{r} 6 \quad 4 \quad 1 \\ + \quad \underline{\quad} 7 \quad \underline{\quad} \\ \hline 1 \quad 2 \quad \underline{\quad} 4 \end{array}$$

$$\begin{array}{r} 4 \quad \underline{\quad} 5 \\ + 8 \quad 7 \quad 8 \\ \hline 1 \quad \underline{\quad} 5 \quad \underline{\quad} \end{array}$$

4 Times Table Activities

Count in 4s 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

Work out these answers:

a) $4 \times 4 =$ _____

f) $6 \times 4 =$ _____

b) $3 \times 4 =$ _____

g) $7 \times 4 =$ _____

c) $5 \times 4 =$ _____

h) $1 \times 4 =$ _____

d) $2 \times 4 =$ _____

i) $11 \times 4 =$ _____

e) $9 \times 4 =$ _____

j) $8 \times 4 =$ _____

How many different leaves are there? Count in groups of 4 and write out the calculation.

a)



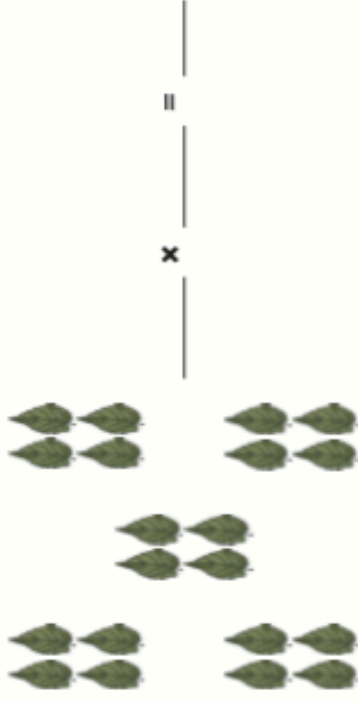
_____ \times _____ = _____

b)



_____ \times _____ = _____

c)



_____ \times _____ = _____