**P4 Mathematics**

**AA1 Revision**

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

Class: Teamwork 6

**Learning objectives:**

**Numbers up to 100 000**

* number notation and place values (ten thousands, thousands, hundreds, tens, ones)
1. **In the number 39 874,**

a) The digit \_\_\_\_\_ stands for 800.

b) The value of the digit 7 is \_\_\_\_\_\_\_.

c) The digit 9 is in the \_\_\_\_\_\_\_\_\_\_\_\_ place.

d) The digit \_\_\_\_\_ is in the ten thousands place.

e) The digit 9 stands for \_\_\_\_\_\_\_\_\_\_.

1. **Write the correct number in the blanks.**
2. 15 tens = \_\_\_\_\_\_\_\_\_
3. 285 ones = \_\_\_\_\_\_\_\_\_
4. 23 hundreds = \_\_\_\_\_\_\_\_\_
5. 2 thousands = \_\_\_\_\_\_\_\_\_
6. 14 hundreds + 23 tens = \_\_\_\_\_\_\_\_\_\_\_
7. 34 hundreds + 83 ones = \_\_\_\_\_\_\_\_\_\_\_
8. 27 tens $÷$ 3 = \_\_\_\_\_\_\_\_\_\_
9. 35 hundreds $÷$ 7 = \_\_\_\_\_\_\_\_\_\_\_
* reading and writing numbers in numerals and in words,
1. **Write** **in numerals:**
2. Forty-nine thousand, four hundred and twenty-seven. \_\_\_\_\_\_\_\_\_\_\_\_
3. Seventy-four thousand and ninety-two. \_\_\_\_\_\_\_\_\_\_\_
4. Three thousand, three hundred and five. \_\_\_\_\_\_\_\_\_\_
5. Thirty thousand and forty-six. \_\_\_\_\_\_\_\_\_\_\_\_
6. Twelve thousand, one hundred and thirteen. \_\_\_\_\_\_\_\_\_\_\_
7. Sixteen thousand and twenty. \_\_\_\_\_\_\_\_\_\_\_\_
8. **Write in Words:**
9. 84 194 : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
10. 20 938 : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
11. 36 410 : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
12. 97 578 : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
13. 40 011 : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* comparing and ordering numbers,
1. **Comparing:**

**Circle the bigger number:**

1. 39 013 , 31 913
2. 48 838 , 84 384

**Circle the smaller number:**

1. 24 127 , 24 172
2. 32 323 , 32 232
3. **Ordering:**

**Arrange in ascending order:**

1. 43 443, 34 434, 34 334, 44 343, 33 434

**Arrange in descending order:**

1. 91 319, 93 193, 39 139, 91 391, 91, 139
* number patterns,
1. **Fixed increase/decrease**
2. 12 345 , 13445 , 14 545 , \_\_\_\_\_\_\_\_\_\_ , \_\_\_\_\_\_\_\_\_\_\_ , 17 845
3. 34 998 , 32 988 , 30 978 , \_\_\_\_\_\_\_\_\_ , 26 958 , \_\_\_\_\_\_\_\_\_\_\_
4. **Alternating Increase/decrease**
5. 10 010 , 12 010 , 11 510 , 13 510 , \_\_\_\_\_\_\_\_\_ , \_\_\_\_\_\_\_\_\_\_
6. 72 395 , 72 695 , 71 695 , 71 995 , \_\_\_\_\_\_\_\_\_ , \_\_\_\_\_\_\_\_\_\_
7. **Other patterns…**
8. 32 541 , 33 541 , 35 541 , 38 541 , \_\_\_\_\_\_\_\_\_ , \_\_\_\_\_\_\_\_\_\_\_
9. 41 538 , 40 537 , 39 535 , 38 532 , \_\_\_\_\_\_\_\_\_ , \_\_\_\_\_\_\_\_\_\_\_
* rounding off numbers to the nearest 10 or 100,
1. **Rounding off to nearest 10: Rounding off to nearest 100:**
2. 13 525 ≈ \_\_\_\_\_\_\_\_\_ e) 53 852 ≈ \_\_\_\_\_\_\_\_\_

1. 398 ≈ \_\_\_\_\_\_\_\_\_\_ f) 9 731 ≈ \_\_\_\_\_\_\_\_\_
2. 72 894 ≈ \_\_\_\_\_\_\_\_\_\_ g) 8 989 ≈ \_\_\_\_\_\_\_\_\_
3. 8 231 ≈ \_\_\_\_\_\_\_\_\_\_ h) 42 989 ≈ \_\_\_\_\_\_\_\_\_
* use of the approximation symbol ≈
1. **Round off to the nearest hundred first then estimate the value of:**
2. 3 429 + 2 283
3. 49 019 + 396

**Multiplication & Division**

* multiplication of a 4-digit number by a 1-digit number,
1. **Solve the following questions. Show your working clearly.**
2. 3 248 x 7 = \_\_\_\_\_\_\_\_\_\_ b) 7 459 x 8 = \_\_\_\_\_\_\_\_\_\_\_
3. There are 2345 toothpicks in a box. How many toothpicks are there in 6 such boxes?
4. A factory bakes 1079 buns in a day. How many buns can it bake in 4 days?
* multiplication of a 3-digit number by a 2-digit number,
1. **Solve the following questions. Show your working clearly.**
2. 243 x 14 b) 987 x 54
3. There are 264 sweets in a bag. How many sweets are there in 35 bags?
* division of a 4-digit number by a 1-digit number,
1. **Solve the following questions. Show your working clearly.**
2. 9 863 $÷$ 4 b) 5 547 $÷ $9

Quotient: \_\_\_\_\_\_\_\_\_Remainder\_\_\_\_\_ Quotient: \_\_\_\_\_\_\_\_\_Remainder\_\_\_\_

1. There are 2344 students in a school. They are put into 8 groups. How many students will there be in each group?
2. 4319 cookies are put into packets of 6.

i) How many packets are there?

ii) How many cookies are left over?

* determining if a 1-digit number is a factor of a given number,

**(A number can be divided by its factor without having a remainder)**

Q. Is 6 a factor of 96? Take 96 $÷$ 6 to find out.

* listing all factors of a given number up to 100,
1. **List all the factors of:**
2. 37 : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. 24: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. 46: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. 72: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* finding the common factors of two given numbers,
1. **Common factors**
2. Find the common factors of 24 and 32.

Common factors:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. Find the common factors of 48 and 72.

Common factors:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* recognising the relationship between factor and multiple,

 36

 1 x 36

 2 x 18 **36 is a multiple of 1,2,3,4,6,9,12, 18 and 36.**

 3 x 12

 4 x 9 **1,2,3,4,6,9,12, 18 and 36 are factors of 36**

 6 x 6

* determining if a number is a multiple of a given 1-digit number,

**To find if a number is a multiple of a given number, it must be divisible by that number.**

E.g. Is 36 a multiple of 9?

Yes, because 36 can be divided by 9 without remainder.

* listing the first 12 multiples of a given 1-digit number,
1. **Listing/Identifying Multiples**
2. List the first 12 multiples of 7**:**
3. What is the 6th multiple of 9? \_\_\_\_\_\_\_\_
4. What is the 8th multiple of 5? \_\_\_\_\_\_\_\_
5. What is the 7th multiple of 6? \_\_\_\_\_\_\_\_

\*part (b), (c) and (d) require no listing

* finding the common multiples of two given 1-digit numbers.
1. **Common Multiples**
* NOTE:

 Once you find the first common multiple, you can find all the other common multiples because the other common multiples are MULTIPLES of the 1st common multiple which you found.

1. List the first common multiple of 7 and 4
2. List the first 3 common multiples of 4 and 6
3. List the first 5 common multiples of 3 and 5

 **Prepared by: Mr Luke Sim**

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