ASPIRE
INTERNATIONAL SCHOOL

Aspire International School

Name …….
Class…….

1 Here is a number grid.

71	72	73	74
75	76	77	78
79	80	81	82
83	84	85	86

75, 80 and 85 coloured

Colour all the numbers that are divisible by 5.

2 Find the number that obeys all these rules:

- It is less than 20
- It is a multiple of 3
- It is a multiple of 5

15

3 Write these temperatures in order starting with the coldest.

−12 °C 21 °C −21 °C 12 °C 0 °C

−21 °C, −12 °C, 0 °C, 12 °C, 21 °C

4 a Write all the factors of 16.

1, 2, 4, 8, 16

b Why is there an odd number of factors?

1 is odd

5 Pierre counts in twenty-fives starting at 0.

He then counts in hundreds starting at 0.

Pierre says, 'Multiples of 100 are also multiples of 25.'

Is he correct?

Explain your answer.

Pierre is correct. When counting in twenty-fives he will reach 100 and then 200, 300, etc

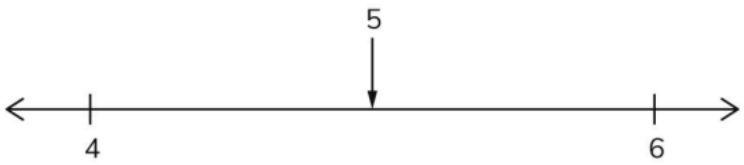
6 Which whole numbers could ☐ represent in the number statement $-5 < ☐ < -1$?

−4, −3 or −2

7 Complete this sentence.

Every number that is divisible by 10 is also divisible by _____2 and 5_____ and _____1_____.

8 The number 5 is halfway between 4 and 6.



Complete this sentence.

The number 5 is halfway between −1 and _____.

11

9 Bashir is thinking of a number.
He says, 'If I subtract 16 from my number, the answer is 95.'
What number is Bashir thinking of?
Discuss your answer with a partner.

..... – 16 = 95

95+16=111

10 Aiko says, 'When you add two 2-digit whole numbers together the answer cannot be a 4-digit number.'
Is Aiko correct?
Explain you

The largest 2-digit number is 99.

$99 + 99 = 198$ which has 3 digits.

11 Heidi's password is a 5-digit number.

1 is in the ten thousands place

2 is in the ones place

3 is in the hundreds place

4 is in the thousands place

5 is in the tens place

What is Heidi's password?
Write your answer in words and in figures.

Fourteen thousand, three hundred and fifty-two, 14 352

12 Leroy says, 'I add two odd numbers and one even number and my answer is 33.'
Explain why Leroy cannot be correct.

Leroy adds two odd numbers and an even number. Odd + odd + even = even and 33 is odd.

odd − odd = even so the statement is never true
Do not accept one numerical answer such as 13 − 9 = 4 and 4 is even.

13 Mary says, 'The difference between two odd numbers is odd.'

Is this always true, sometimes true or never true? Explain your answer.

Never true 3-1= 2

14 Rajiv says, 'If you add 6 to a number ending in 7 you will always get a number ending in 3.'
Is Rajiv correct?

Rajiv is correct

15 **Bashir is thinking of a number.**
He says, 'If I add 26 to my number, the answer is 95.'
What number is Bashir thinking of?

..... + 26 = 95

95-26= 69

16 Adah is thinking of a number. She divides the number by 3 and her answer is 234.

What number is Adah thinking of? _____

.....÷3= 234

234 x 3= 702