Spiral 4

Divisibility rules.

Fill the gap so that the resulting number is a multiple of 3: 5 6 ___ 1

Fill the gap so that the resulting number is a multiple of 6: 5 6 ___ 4

Fill the gap so that the resulting number is a multiple of 5: 5 6 1 ___

Fill the gap so that the resulting number is a multiple of 10: 5 6 1 ___

Fill the gap so that the resulting number is a multiple of 9: 5 6 ___ 1

Fill the gap so that the resulting number is a multiple of 11: 5 6 ___ 1

Divisors.

Fill the gaps with the divisors of the unknown numbers:

Divisors of ___ = {1 2 ___ 4 ___ 8 ___ 24}

Divisors of ___ = { ___ 3 7 ___ }

Absolute value.

1. $|-13| =$

2. $|+23| =$

3. $|-3+1| =$

4. $|+4| =$

Rounding off.

Round 345 678 to the tens.   345 680.

Round 345 678 to the hundreds.   350 000.

Round 345 678 to the thousands.   354 700.

Round 345 678 to the ten thousands.   346 000.

Spiral 4

Operations with natural numbers

Which arithmetic expressions are used to solve this problem?

This morning 24 kilos of apples were sold in the supermarket at 2 €/kg, 12 melons at 4 euros per unit and 13 pineapples at 2 euros each. How much money was spent in total on fruit?

a) $24 \cdot 12 + 4 \cdot 13 + 2$

b) $24 \cdot 2 + 12 \cdot 4 + 13 \cdot 2$

c) $(24 + 13) \cdot 2 + 12 \cdot 4$

d) $(24 + 13 + 2) \cdot (2 + 4)$

Integers. Addition & subtraction.

1. $-5 + 7 =$

2. $-(-4) - (+3) =$

3. $(+4) + (-10) =$

4. $12 - 4 - 9 =$

5. $-1 + 4 - 7 - 10 =$

6. $-(-4) + (-6) =$

Integers. Multiplication & division.

1. $-2 \cdot 3 =$

2. $11 \cdot (-15) =$

3. $-10 : (-2) =$

4. $-4 \cdot (+12) =$

5. $-1 \cdot (-2) \cdot (+3) =$

6. $-12 : 4 \cdot (-3) =$

LCM & GCD

LCM (84, 25) =

GCD (84, 25) =

Order of integers

Insert the signs, < or >, as required:

| -3 | -9 | | -6 | 5 | | -12 | -1 | | -20 | -22 |