SPIRAL 10

THE METRIC SYSTEM

Complete:

a. 3 kL 5 hL 8 L =   L

b. 250 g =   kg

c. 83 452 m^2 = hm^2 dam^2 m^2

MULTIPLES AND DIVISORS

Write:

a. All the divisors of 28 (from least to greatest) →   ,   ,   ,   ,   ,   .

b. The first five multiples of 9 →   ,   ,   ,   ,   .

c. All the divisors of 36 (from least to greatest) →   ,   ,   ,   ,   ,   ,   ,

,   .

d. The first five multiples of 12 →   ,   ,   ,   ,   .

INTEGERS

- 3 - 7 =   - 7 – 0 =   - (- 3 – 5) =

- 9 + 2 + 13 =   -5 + 9 · (- 6) =   -(-4) · (-1) =

- (4 + 6) =   +7 – (- 14 + 1)=   2 – 12 : 3 =

FRACTIONS

Which is the smallest fraction among the following?

a.   8/4   7/2   4/3

b.   3/1   2/5   3/2

c)   6/5   7/3   2/4

POWERS

Express as a single power:

$5^2 \cdot 5^4 =$ $\left(9^2\right)^5 =$ $\left(2^3 \cdot 2^4\right)^2 =$ $4^3 : 4^7 \cdot 4^6 =$

$11^8 : 11^3 =$ $4^2 \cdot 4^5 : 4 =$ $2^3 : 2^2 \cdot 2^3 =$ $2^3 : 2 =$

DECIMALS & FRACTIONS

Express the following decimals as fractions in the lowest form.

$2.5 =$ / $0.14 =$ / $12.2 =$ / $7.1 =$ /

PROPORTIONALITY

Sara went to the greengrocers and bought:
• 3 kg of apples for €4.80.
• 3/4 kg of cherries for €3.60.
• 1/2 kg of strawberries for €0.90.
• One 2.4-kg melon for €3.12.

a) How much do 5 kilos of apples cost? →   €

b) How much does one kilo of cherries cost? →   €

c) How much do one and a quarter kilos of strawberries cost? →   €

d) How much does a two-kilo melon cost? →   €

A farmer has 200 cows and we know that:
• Thirty are young calves under one year old.
• 90 % are vaccinated against bovine fever.
• 65 % are in full milk production.

a) What percentage are calves? →   %

b) What percentage are not calves? →   %

c) How many cows are not vaccinated? →   cows

d) How many cows are in full milk production? →   cows

Five workers unload a lorry in 30 minutes. How long would it take three workers to do the same task?

Answer: they need   minutes.

8% of 275 =   2% of 315 =   21% of 41 =   5% of 12 =