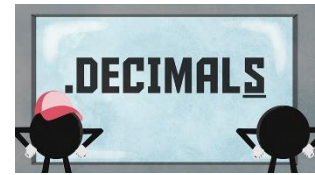




Grade 8 - Mathematics

Decimals 3

Memo



A. Calculate the following:

1. $3,46 \times 10 = 34,6$
2. $45,19 \times 1000 = 45\,190$
3. $195,62 \div 100 = 1,9562$
4. $29,431 \times 10^2 = 2\,943,1$
5. $845,319 \div 100 = 8,45319$
6. $9\,345 \div 10^3 = 9,345$
7. $94,78 \times 10^3 = 94\,780$
8. $1,057 \times 10^0 = 1,057$
9. $613,7 \div 10^2 = 6,137$
10. $789,01 \div 10^1 = 78,901$

B. Solve the following problems:

1. 10 workers at a car wash share their tips equally. On one particular long weekend the following amounts were collected in tips:

Friday – R1 658,32

Saturday – R2 432,80

Sunday – R849

How much did each worker take home each day?

Friday: $R1\,658,32 \div 10 = R165,83$

Saturday: $R2\,432,80 \div 10 = R243,28$

Sunday: $R849 \div 10 = R84,90$



WorksheetCloud

2. In a hall, there are chairs stacked up in piles of 10. If there are $112\frac{1}{2}$ piles of chairs.
- How many chairs are there altogether?
 - If you had to make rows of 100, how many completed rows could you make and how many chairs would you have left over?
 - How many piles of chairs could be made up with the leftover chairs?
 - If there was a show being put on in the hall, and the tickets cost R10 each, how much money would be made from the sale of tickets?

a. $112\frac{1}{2} \times 10$
 $= 112,5 \times 10$
 $= 1125$ chairs altogether.

b. $1125 \div 100$
 $= 11,25$
11 complete rows and 25 chairs left over.

c. $25 \div 10$
 $= 2,5$
 $2\frac{1}{2}$ piles of chairs.

d. 11×100 rows \times R10
 $= 1\ 100 \times$ R10
 $=$ R11 000