

$\frac{a^2-b^2}{a-b} = \frac{(a+b)(a-b)}{a-b} = a+b$   
 $v = \frac{24km}{1,25t} = 19,2km/t$   
 $1 : 15\ 000$   
 $3 : 45\ 000$   
 $45\ 000cm = 450m$   
 $s = \frac{v^2}{19,62 \cdot f}$   
 $v^2 = 19,62 \cdot f \cdot s$   
 $v = \sqrt{19,62 \cdot f \cdot s}$   
 $v = \sqrt{19,62 \cdot 0,6 \cdot 15} = 13,3$   
 $(-3)^2 = 9$   
 $\frac{20}{2+3} = 4$   
 $2 + 2^2 = 6$   
 $-2^2 + 6 = -4 + 6 = 2$   
 $\frac{13+10+9+16+15+12}{30} = 2,5$   
 $\frac{1}{a-1} - \frac{1}{a+1} = \frac{(a+1)-(a-1)}{(a-1)(a+1)} = \frac{2}{a^2-1}$   
 $\frac{20}{2+3} = 4$   
 $2 + 2^2 = 6$   
 $-2^2 + 6 = -4 + 6 = 2$   
 $\frac{13+10+9+16+15+12}{30} = 2,5$

$AB = \sqrt{6^2 + 8^2} = \sqrt{36 + 64} = \sqrt{100} = 10\ cm$   
 $\frac{3}{x} = \frac{1}{15\ 000}$   
 $x = 45\ 000$   
 $\frac{x-1}{2} - x = 3$   
 $-1 - 2x = 6$   
 $x = 7$   
 $x - y = -2$   
 $x - 3 = -2$   
 $x = 1$   
 $(-2)^2 \cdot 2^0 = 4 \cdot 1 = 4$   
 $-2^2 \cdot 2^1 = -4 \cdot 2 = -8$   
 $-(2 - 2^2) = -(2 - 4) = 2$   
 $\frac{2 \cdot (-2)}{2+2} = -1$   
 $5^2 + BC^2 = 10^2$   
 $BC = \sqrt{100 - 25} \approx 8,7$   
 $\frac{(2a-2b)(a+b)}{2a+2b} =$   
 $\frac{2(a-b)(a+b)}{2(a+b)} =$   
 $a-b$   
 $s = \frac{v^2}{19,62 \cdot f} = \frac{(21m/s)^2}{19,62 \cdot 0,9} = 24,97 \approx 25$   
 $O = 2\pi r \Rightarrow r = \frac{O}{2\pi}$   
 $r = \frac{180m}{2 \cdot 3}$   
 $r = 30$   
 $V = l \cdot b \cdot h = 3,20dm \cdot 1,5dm \cdot 4,20dm = 20,16dm^3$   
 Pythagoras :  $BC = \sqrt{40^2 + 30^2} = 50$

$\frac{a+a+a}{a} = \frac{3a}{a} = 3$   
 $2x + 2(350 - 2x) = 500$   
 $2x + 700 - 4x = 500$   
 $-2x = -200 \quad | : (-2)$   
 $x = 100$

$\frac{v_l}{v_s} = \frac{5}{6} = 6$   
 Forholdet løpefart delt på svømmefart  
 $4x - 3 = x$   
 $4x - x = 3$   
 $3x = 3$   
 $x = 1$

# #ViTarAnsvar

## Dear Parents

We are pleased to inform you about a unique and free program in mathematics called #ViTarAnsvar for all students from 8th to 10th grade. Each week three teachers from House of Math will attend the program to help students develop their mathematical skills. The course will be held Thursdays from 14.00-16.00 at the 10th grade area.

#ViTarAnsvar is a collaboration between schools, House of Math and selected companies.

House of Math offers specialized one-on-one tutoring with close follow-up of each student. By attending the weekly program, students will have the opportunity to excel in mathematics, and get a better and deeper understanding of previously learned mathematical subjects. The companies have funded the project so that the program will be free for both the school and its students. The goal of the project is to give students an easily accessible way to develop their math skills supervised by engaged and experienced math teachers.

We hope to see many of our students attending this program.