DN1

① a). $2\frac{1}{4} + 3 = 5\frac{1}{4}$

b). $2\frac{1}{4} \cdot 3 = \frac{9 \cdot 3}{4} = \frac{27}{4} = 6\frac{3}{4}$

c). $2\frac{1}{4} = \frac{9}{4} = 9 : 4 = 2{,}25$

10

20

② a). $12 : 20 = 0{,}6 = 60\%$ Volkswagen

120

$6 : 20 = 0{,}3 = 30\%$ Peugeot

60

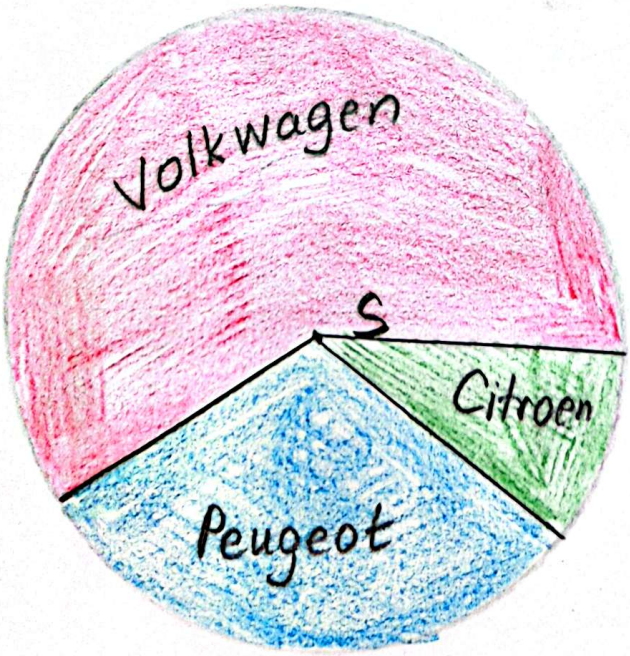
$60 - 30 = 30\%$

Ostalo 30%.

b). $\frac{12}{20}$ od $360 = 360 : 20 \cdot 12 = 18 \cdot 12 = 216°$

$\frac{6}{20}$ od $360 = 360 : 20 \cdot 6 = 18 \cdot 6 = 108°$

$\frac{2}{20}$ od $360 = 360 : 20 \cdot 2 = 18 \cdot 2 = 36°$



N2

1. a). $2\frac{1}{6} + 3 = 5\frac{1}{6}$

b). $2\frac{1}{6} : 3 = \frac{13 : 1}{6 : 3} = \frac{13}{18}$

c). $2\frac{1}{6} = \frac{13}{6} = 13 : 6 = 2,166\ldots \doteq 2,17$

10
40
40

2. a). $50 : 90 = 0,55\ldots = 55,5\%$

500
500

0: za 44,4%.

100
− 55,6
44,4

b). $90 - 60 = 30€$

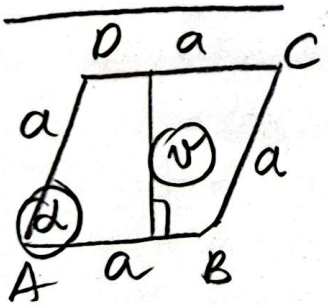
$30 : 90 = 0,\overline{3} \doteq 33,3\%$

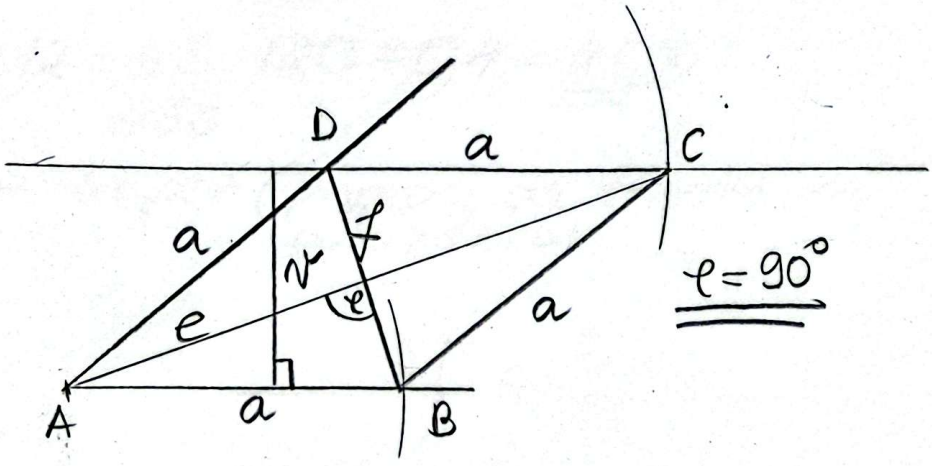
0: za 33,3%.

3. ROMB.

$r = 3cm$

$\alpha = 40°$




$e = 90°$

$o_p = \frac{e \cdot f}{2}$

$o = 4 \quad 2,1$

$o_p = \frac{9,3,2}{2}$

$p = \frac{28,8}{2}$

$p = 14,4\ cm^2$

DN3

① $2\frac{4}{5} : 4\frac{1}{5} + 3\frac{1}{4} =$

$= \frac{14 \cdot 5 \cdot 1 \cdot 2}{5 \cdot 21 \cdot 1 \cdot 3} + 3\frac{1}{4} =$

$= \frac{2}{3} + 3\frac{1}{4} =$

$= \frac{8}{12} + 3\frac{3}{12} =$

$= 3\frac{11}{12}$

② 12 ha

1. dan: $\frac{2}{5}$ od $12 = 12 : 5 \cdot 2 = 2{,}4 \cdot 2 = 4{,}8$ ha

2. dan: 20% od $12 = 0{,}2 \cdot 12 = 2{,}4$ ha

3. dan: $4{,}8 + 2{,}4 = 7{,}2$

b). $12 - 7{,}2 = 4{,}8$ ha $= 480$ a $= 48000$ m$^2$

a). $4{,}8 : 12 = 48 : 120 = 0{,}4 = 40\%$

480

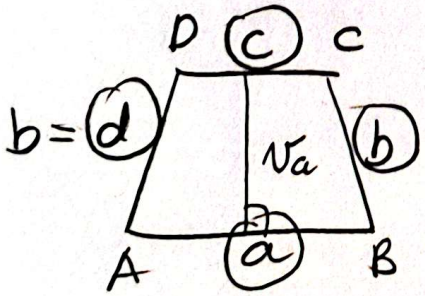
③ ~~enakokraki~~ trapez (Popravi, da trapez ni enakokrak!)

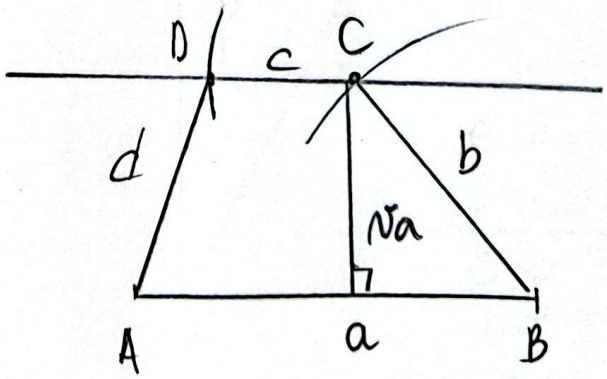
$a = 6$ cm

$b = 4$ cm

$c = 2$ cm

$v_a = 3$ cm




$o = a + b + c + d$

$o = 6 + 4 + 2 + 3{,}2$

$o = 15{,}2$ cm

$p = \frac{a+c}{2} \cdot v$

$p = \frac{6+2}{2} \cdot 3$

$p = \frac{8}{2} \cdot 3$

$p = 4 \cdot 3 = 12$ cm$^2$

DN4

① $\frac{6}{7} - \frac{1}{2} \cdot \frac{4}{7} + \frac{3}{4} : \frac{3}{8} =$

$= \frac{6}{7} - \frac{1 \cdot 4 \cdot 2}{2 \cdot 7 \cdot 1} + \frac{3 \cdot 8 \cdot 1 \cdot 2}{4 \cdot 3 \cdot 1 \cdot 1} =$

$= \frac{6}{7} - \frac{2}{7} + 2 =$

$= \frac{5}{7} + 2 =$

$= 2\frac{5}{7}$

② 225 m ... 45%

x .... 100%

b). $225 : 0{,}45 = 22500 : 45 = \underline{500\,m}$

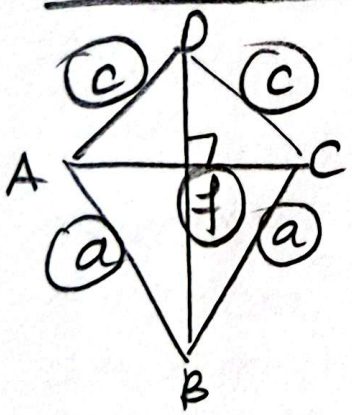
a). $100 - 45 = \underline{55\%}$

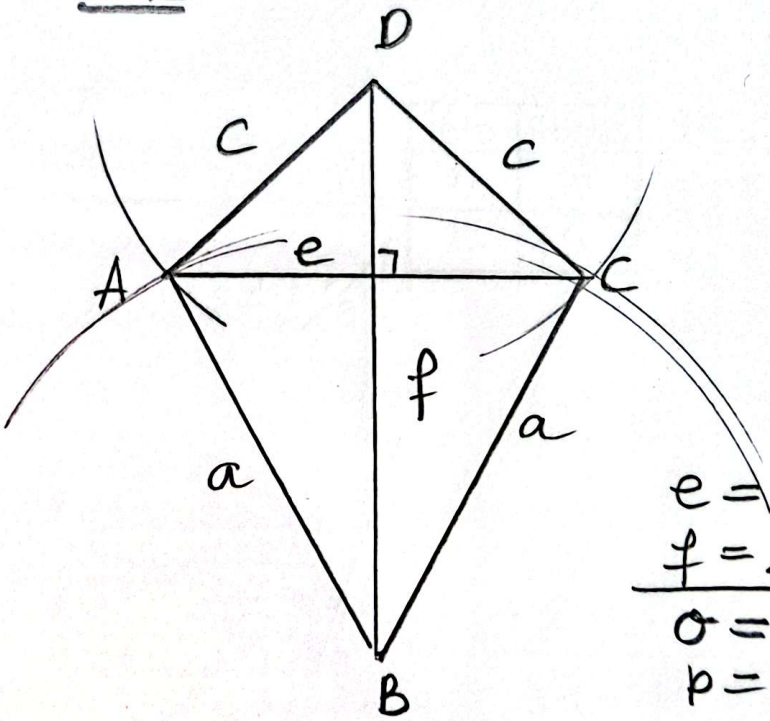
③ DELTOID

$a = 6\,cm$

$c = 4\,cm$

$f = 8\,cm$




$e = 6\,cm$

$f = 8\,cm$

$o = ?$

$p = ?$

$o = 2 \cdot a + 2 \cdot c$

$o = 2 \cdot 6 + 2 \cdot 4$

$o = 12 + 8$

$o = \underline{20\,cm}$

$p = \frac{e \cdot f}{2}$

$p = \frac{6 \cdot 8 \cdot 4}{2 \cdot 1}$

$p = \underline{24\,cm^2}$

DN 5

① $4{,}8 : 3\frac{1}{5} + 2{,}4 \cdot \left(4\frac{2}{3} - 2\frac{3}{4}\right) =$

$= 4\frac{8}{10} : 3\frac{1}{5} + 2\frac{4}{10} \cdot \left(4\frac{8}{12} - 2\frac{9}{12}\right) =$

$= \frac{48 \cdot 5 \cdot 1 \cdot 3}{10 \cdot 16 \cdot 2 \cdot 1} + 2\frac{4}{10} \cdot \left(3\frac{20}{12} - 2\frac{9}{12}\right) =$

$= \frac{3}{2} + 2\frac{4}{10} : 1\frac{11}{12} =$

$= 1\frac{1}{2} + \frac{24 \cdot 23 \cdot 2}{10 \cdot 12 \cdot 1} =$

$= 1\frac{1}{2} + \frac{46}{10} =$

$= 1\frac{1}{2} + 4\frac{6}{10} =$

$= 1\frac{5}{10} + 4\frac{6}{10} =$

$= 5\frac{11}{10} =$

$= 4\frac{1}{10}$

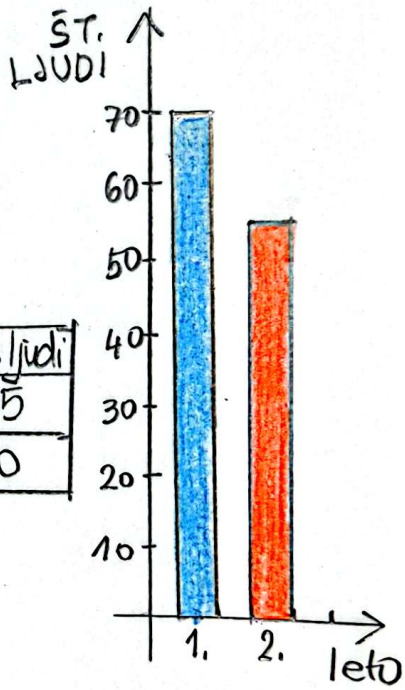
② 1. leto: 55 ljudi
2. leto: 70 ljudi

$70 - 55 = 15$

$15 : 55 = 0{,}2727\ldots \doteq 27{,}3\%$

150
400
150

| leto | št. ljudi |
|---|---|
| 1. | 55 |
| 2. | 70 |




③ TRIKOTNIK

$p = 36\,cm^2$
$a = 9\,cm$
$v_b = 12\,cm$

$v_a =$
$b = ?$

$p = a \cdot v_a$
$36 = 9 \cdot v_a$
$v_a = 36 : 9$
$v_a = 4\,cm$

$p = b \cdot v_b$
$36 = b \cdot 12$
$b = 36 : 12$
$b = 3\,cm$