REŠITVE PLOŠČINA TRAPEZA:

Zbirka nalog, str. 187 (stara zbirka) ali 205 (nova zbirka):

32. naloga

a) $p = \frac{a+c}{2} \cdot v = \frac{4+6}{2} \cdot 5 = 25$; $p = 25\ cm^2$

b) $p = \frac{1}{2}(a+c) \cdot v = \frac{1}{2} \cdot (3{,}4 + 6{,}8) \cdot 2{,}5 = \frac{1}{2} \cdot 10{,}2 \cdot 2{,}5 = 5{,}1 \cdot 2{,}5 = 12{,}75$

$p = 12{,}75\ cm^2$

c) $p = \frac{1}{2} \cdot (1{,}5 + 0{,}9) \cdot 0{,}6 = \frac{1}{2} \cdot 2{,}4 \cdot 0{,}6 = 1{,}2 \cdot 0{,}6 = 0{,}72$; $p = 0{,}72\ dm^2$

č) $p = \frac{1}{2} \cdot \left(3\frac{1}{2} + 2\frac{1}{3}\right) \cdot 1\frac{1}{7} = \frac{1}{2} \cdot 5\frac{5}{6} \cdot 1\frac{1}{7} = \frac{1 \cdot 35 \cdot 8 \cdot 5 \cdot 4 \cdot 2}{2 \cdot 6 \cdot 7 \cdot 3} = \frac{10}{3} = 3\frac{1}{3}$, $p = 3\frac{1}{3}\ m^2$

(sešteješ) (razširiš na skupni imenovalec: $\frac{1}{2} + \frac{1}{3} = \frac{3+2}{6} = \frac{5}{6}$)

33. naloga

a) $s = \frac{a+c}{2} = \frac{25+47}{2} = \frac{72}{2} = 36$, $s = 36\ dm$

b) $p = = \frac{1}{2} \cdot \left(4\frac{2}{5} + 2\frac{1}{4}\right) \cdot 4 = \frac{1}{2} \cdot 6\frac{13}{20} \cdot 4 = \frac{1 \cdot 133 \cdot 4 \cdot 1}{2 \cdot 20 \cdot 1 \cdot 5} = \frac{133}{10} = 13{,}3 dm^2$

razširiš na sk. imen: $\frac{2}{5} + \frac{1}{4} = \frac{8+5}{20} = \frac{13}{20}$

34. naloga

$p = 30 \cdot 30 + \frac{42 \cdot 30}{2} = 900 + 630 = 1530$, $p = 1530\ cm^2$