

Ponavljanje gradiva šestog razreda

1) Izračunaj:

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

b) $\frac{1}{2} + \frac{1}{5} =$

c) $\frac{4}{10} - \frac{3}{5} =$

d) $\frac{-4}{5} - \frac{2}{3} =$

e) $2\frac{1}{2} + 1\frac{1}{3} =$

f) $1\frac{1}{10} - 6\frac{3}{5} =$

g) $\frac{2}{9} \cdot \frac{3}{4} =$

h) $1\frac{1}{5} \cdot \left(-1\frac{2}{3}\right) =$

i) $-2\frac{5}{8} \cdot \left(-1\frac{3}{7}\right) =$

j) $\frac{5}{8} : \frac{5}{2} =$

k) $\frac{-3}{4} : \frac{9}{10} =$

l) $\frac{-9}{12} : \frac{-3}{5} =$

m) $4\frac{3}{8} : \frac{-7}{16} =$

n) $-5\frac{3}{5} : 4 =$

o) $3\frac{1}{4} : 2\frac{1}{6} =$

2) Izračunaj:

a) $\frac{4}{5} + \frac{1}{2} + \frac{3}{8} =$

b) $\frac{4}{5} - \frac{1}{2} - \frac{1}{10} =$

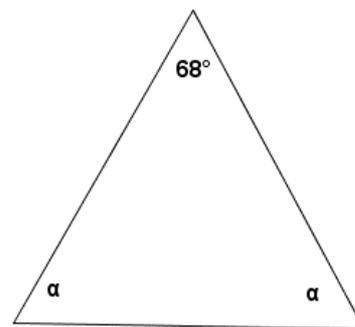
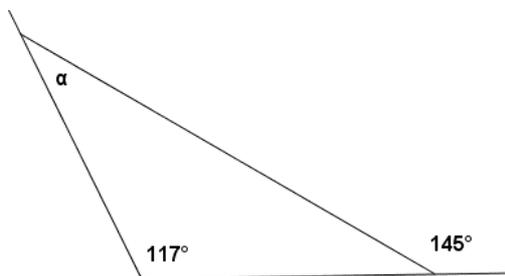
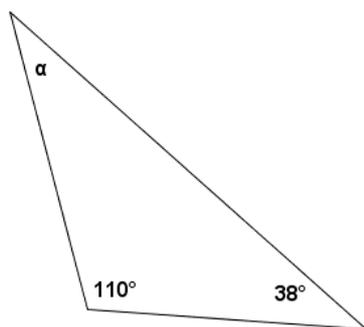
c) $\left(1\frac{3}{4} + 5\frac{7}{8}\right) - 2\frac{11}{12} =$

d) $-5\frac{5}{8} \cdot 9\frac{1}{5} + 5\frac{3}{4} =$

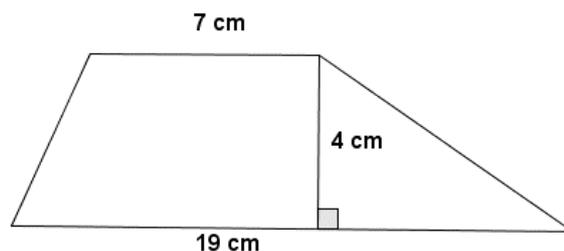
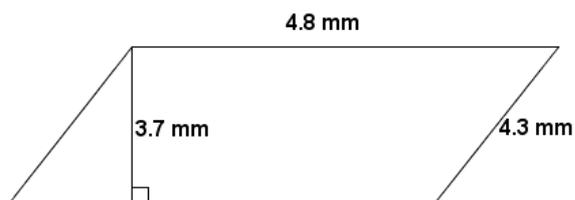
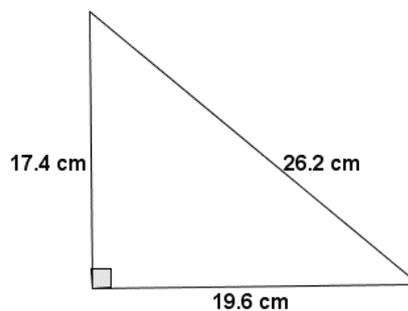
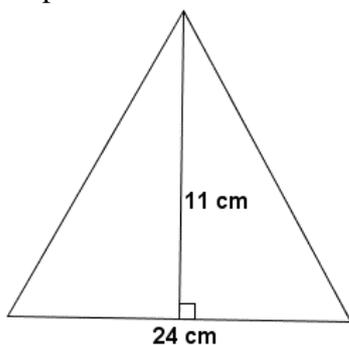
e) $8\frac{1}{8} \cdot 9\frac{3}{5} : 5\frac{1}{5} =$

f) $2\frac{2}{3} + 4\frac{1}{2} - 5\frac{1}{7} : 3\frac{3}{5} =$

3) Odredi veličinu kuta α .



4) Odredi površinu trokuta ili četverokuta na slici.



5) Izračunaj:

a) $-7 - 18 + 29 + 3 - (-12) + 15 =$

b) $4 - (-3 + 2 - 5) + (-6 + 2 - 1) =$

c) $24 : (-6) - 15 : 3 - 20 : (-5) =$

d) $4 + (-21) : 3 - (5 \cdot (-2) + 4 \cdot (-1) - 36 : -6) =$

6) Riješi jednađbu:

a) $10x - 11 = 2x - 8 + 5x$

b) $2x - 15 = -3(x - 1) - 13x$

c) $-(7x - 12) - (-9 - 5x) - 14 = 3(x - 2) - 11$

d) $5 - \frac{x}{4} - \frac{1}{2} = \frac{x}{2}$

7) Riješi jednađbu:

a) $\frac{x-8}{6} - \frac{4x-5}{3} + \frac{x+6}{2} = 2$

b) $\frac{1}{2}\left(x - \frac{1}{3}\right) - \frac{1}{3}\left(x - \frac{1}{4}\right) = \frac{1}{4}\left(x - \frac{1}{2}\right)$

8) Jedan kut paralelograma iznosi:

a) $\alpha = 39^\circ$, b) $\beta = 101^\circ 39'$.

Odredi veličine preostalih kutova paralelograma.

9) Kutovi su uz osnovicu trapeza:

a) $\alpha = 43^\circ$ i $\beta = 79^\circ$, b) $\alpha = 132^\circ 17'$ i $\beta = 129^\circ 33'$.

Odredi veličine preostalih kutova trapeza.

10) Odredi veličine preostalih kutova jednakokračnog trapeza ako je $\alpha = 37^\circ$.

11) Izračunaj površinu paralelograma ako je $a = 15.5 \text{ cm}$ i $v_a = 47 \text{ mm}$.

12) Izračunaj površinu trapeza ako je $a = 4.7 \text{ cm}$, $c = 6.3 \text{ cm}$ i $v = 7.2 \text{ cm}$.

13) Izračunaj duljinu druge stranice, površinu i visinu na stranicu a paralelograma ako je $o = 20.52 \text{ cm}$,

$a = 5.7 \text{ cm}$ i $v_b = 4 \text{ cm}$.

14) Duljina jedne osnovice trapeza je 3.6 cm , duljina visine 3.1 cm . Izračunaj duljinu druge osnovice trapeza ako je površina trapeza 16.74 cm^2 .