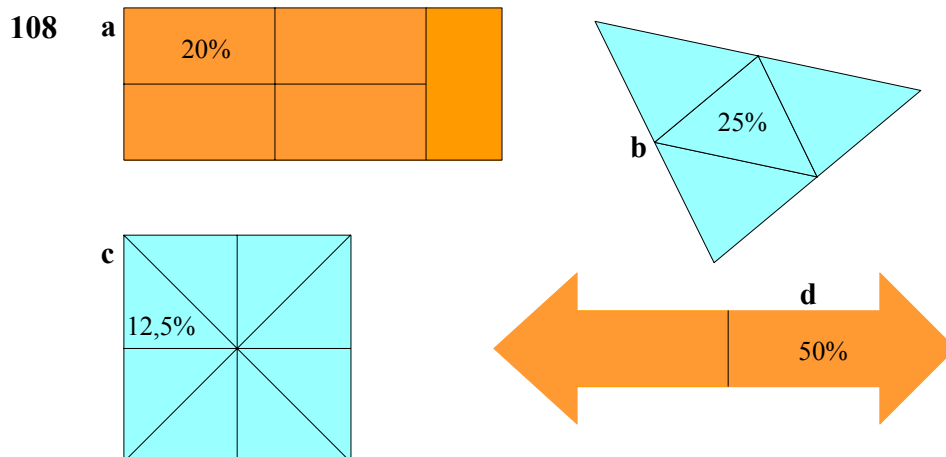


Skygni 7

svarlisti til næmingabókina

1 Prosent

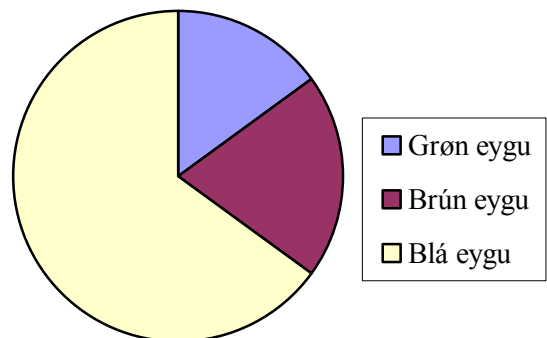
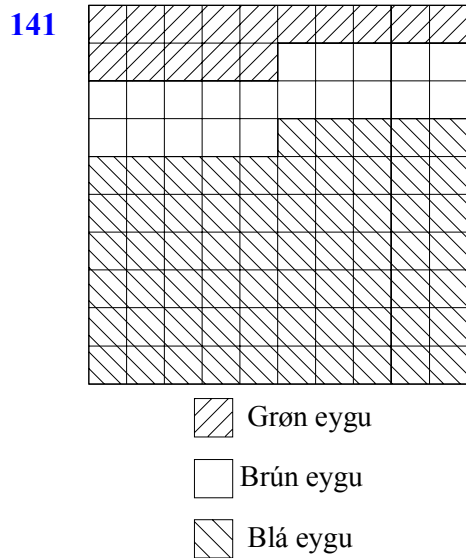
- 101 a $\frac{3}{10} = \frac{30}{100} = 30\%$ b $\frac{6}{25} = \frac{24}{100} = 24\%$ c $\frac{7}{20} = \frac{35}{100} = 35\%$
d $\frac{1}{5} = \frac{20}{100} = 20\%$ e $\frac{10}{10} = \frac{100}{100} = 100\%$ f $\frac{1}{4} = \frac{25}{100} = 25\%$
g $\frac{12}{50} = \frac{24}{100} = 24\%$ h $\frac{30}{25} = \frac{120}{100} = 120\%$ i $\frac{3}{4} = \frac{75}{100} = 75\%$
- 102 a 0,23 b 0,33 c 0,50 d 1,75 e 0,015 f 0,005
- 103 a 20% b 75% c 30% d 125% e 5% f 250%
g 12,5% h 7% i 105%
- 104 a $1,4 = 140\%$ b $0,60 = 60\%$ c $2,00 = 200\%$
d $2,50 = 250\%$ e $0,75 = 75\%$ f $1,4 = 140\%$
- 105 a $0,67 = 67\%$ b $0,57 = 57\%$ c $0,33 = 33\%$
d $0,56 = 56\%$ e $1,29 = 129\%$ f $0,36 = 36\%$
- 106 a $0,833 \approx 83,3\%$ b $0,429 \approx 42,9\%$ c $2,667 \approx 266,7\%$
d $1,125 \approx 112,5\%$ e $0,667 \approx 66,7\%$ f $1,571 \approx 157,1\%$
- 107 a 28% b 36% c 70% d 20% e 25% f 12,5%



- 109 a 18 kr b 196 kr c 37,50 kr d 2187,50 kr e 15 kr
f 405 kr g 86,25 kr h 3,25 kr i 432 kr j 66,50 kr
- 110 a Fótþóltur: 192,50 kr
T-shirt: 279,30 kr
Shorts: 245,00 kr
Bólttræ: 245,00 kr
Ketsjari: 209,30 kr
Bóltar: 105,60 kr
- b Fótþóltur: 151,25 kr
T-shirt: 219,45 kr
Shorts: 192,50 kr
Bólttræ: 192,50 kr
Ketsjari: 164,25 kr
Bóltar: 82,50 kr

- 111 a 900 kr b 1700 kr c 250 kr d 5100 kr e 4000 kr
 f 13500 kr g 1800 kr h 7120 kr i 42,50 kr j 757,50 kr
- 112 20 næmingar
- 113 24 næmingar
- 114 9 dreingir
- 115 a 20% b 15% c 56% d 12,5%
 e 12,5% f 56% g 30% h 25%
- 116 a 12% b 60% c 20% d 30%
 e 40% f 85% g 75% h 40%
- 117 a 40% b 30% c 20% d 15%
 e 50% f 60% g 60% h 95%
- 118 Uml $13\ 888\ 888 = 1,4 \cdot 10^7$ eiturkoppur.
- 119 a -10 b 133 c 165 d -60 e 160 f -458
- 120 a 154 b 216 c 513 d 340 e 889 f 168
- 121 Hundar: $\approx 326\ 666\ 667\ \text{kr} = 3,27 \cdot 10^8\ \text{kr}$
 Kettur: $\approx 226\ 666\ 667\ \text{kr} = 2,27 \cdot 10^8\ \text{kr}$
- 122 a $x = 8$ b $x = -3$ c $x = 7$ d $x = 18$ e $x = 16$ f $x = -3$
- 123 l: $y = 2x + 5$ m: $y = -x - 3$ n: $y = x$
- 124 259 200 000 blóðkroppar
- 125 Uml 2 866 909 innbrot
- 126 a ≈ 72 b ≈ 400 c ≈ 50 d ≈ 2100 e ≈ 30 f ≈ 91
- 127 15 minuttir
- 128 $y = -\frac{1}{2}x - 2$
- 129 a $1,596 \cdot 10^7$ b $9,383 \cdot 10^5$ c $4,005 \cdot 10^5$
 d $6,0 \cdot 10^3$ e $7,0 \cdot 10^1$ f $6,47 \cdot 10^4$
- 130 a $6x + 5y$ b $4x - 2y$ c $-2x - 4y$
 d $7x + 3y$ e $-2x + y$ f $10x - 20y$
- 131 a 5 b 38 c -40 d -13
- 132 a $0,6 = 60\%$ b $0,375 = 37,5\%$ c $2,25 = 225\%$
 d $0,68 = 68\%$ e $0,667 = 66,7\%$ f $1,4 = 140\%$
- 133 ---
- 134 a 2831,25 kr b 143 kr c 420 m d 70 cm
 e 441 kr f 4 kg g 2,4 g h 0,60 kr
- 135 a 15 450 fólk b $\approx 15\ 914$ fólk
 c $\approx 20\ 159$ fólk d ≈ 13 ár

- 136 a 25% b 20% c 5% d 12,5%
 e 20% f 50% g 30% h 60%
- 137 a 18% b 54% c 30% d 37,5%
 e 85% f 2% g 45% h 99%
- 138 a 24% b 12%
- 139 a 1100 kr b 800 kr c 2000 kr d 1900 kr e 2 kr f 250 kr
- 140 2500 kr



- 142 a 1 barn: 24% 2 börn: $\approx 58\%$ 3 börn: $\approx 13\%$ 4 börn: $\approx 4\%$
 b ---
- 143 a 33 tinglimir
 b Fólkaflokkurinn $\approx 21,2\%$
 Sambandsflokkurinn $\approx 21,2\%$
 Javnaðarflokkurinn $\approx 18,2\%$
 Sjálvstýrisflokkurinn $\approx 6,1\%$
 Tjóðveldisflokkurinn $\approx 24,2\%$
 Miðflokkurinn $\approx 9,1\%$
 c $\approx 60,6\%$
 d $\approx 39,4\%$
- 144 a 1980 kr b $\approx 4,2\%$
- 145 a 4325 kr b 1910 kr c $\approx 30,6\%$ d $\approx 25,0\%$ e ≈ 832 kr
- 146 a 32 kr b 160 kr c 20%
- 147 a 130 kr b 650 kr c 20%
- 148 a 1124,50 kr b 5622,50 kr c 20%

2 Tema - Rentur

- 201 Ein banki er ein fyrirtøka, sum vinnur pening av sínum útlánum. Hesin vinningur skal gjalda útreiðslur bankans.
- 202 ---
- 203 a 1,25 kr b 0,68 kr c 2,60 kr d $\approx 1,63$ kr e 5,20 kr f 3,90 kr
- 204 a 16,80 kr b 27,60 kr c 8,70 kr d 28,80 kr e 0,72 kr f 25,20 kr
- 205 a 16,80 kr b 2,80 kr
- 206 62,50 kr
- 207 742,50 kr
- 208 25%
- 209 a $\approx 2,50$ kr b $\approx 40,10$ kr c $\approx 70,00$ kr
- 210 a 4,01 kr b 5 kr c 06,25 kr d 598,33 kr
- 211 a 1120 kr b 262,40 kr c 427,65 kr
- 212 30150,18 kr
- 213 265,23 kr
- 214 a 2550 kr b 2601 kr
- 215 8658,38 kr
- 216 ≈ 15 ár
- 217 $\approx 39\ 769,45$ kr
- 218 1) a 79360 kr b 1) $\approx 99,27\%$
2) a 4184 kr b 2) $\approx 41,84\%$

3 Geometri

- 301 Ja
- 302 $\angle A = \angle D$ $\angle B = \angle E$ $\angle C = \angle F$
- 303 $AB \sim EF \dots$
- 304 $\angle A = \angle E$ $\angle B = \angle F$ $\angle C = \angle G$ $\angle D = \angle H$
- 305 $1 : 1\frac{1}{2} (2 : 3)$
- 306 $\triangle DEF \sim \triangle GHI$
- 307 a --- b $ABCD \sim EFGH$
- 308 a $\angle C_1 = (3, -1)$ ella $\angle C_1 = (0, 8)$
b $\angle A = \angle A_1 = 45^\circ$ $\angle B = \angle B_1 = 45^\circ$ $\angle C = \angle C_1 = 90^\circ$
c Nýggi trikanturinn er einsskapaður við trikantinn ABC.
- 309 (1) ~ (7) (2) ~ (3) (4) ~ (5) nr 6 loypur av
- 310 a --- b --- c Radius: $\approx 2,5$ cm
- 311 a --- b Radius: $\approx 2,6$ cm
- 312 a --- b Tvörmát: $\approx 3,7$ cm
- 313 a --- b Tvörmát: $\approx 6,5$ cm
- 314 a --- b Tvörmát: $\approx 3,3$ cm
- 315 a --- b Tvörmát: $\approx 4,4$ cm
- 316 a --- b (4,6)
- 317 a --- b $B = (4,3)$ $C = (-8,-4)$
- 318 a --- b --- c Radius: $\approx 6,1$ cm
- 319 a --- b Tvörmát: $\approx 8,2$ cm
- 320 a --- b $FG \approx 5$ cm c Nei
- 321 a --- b $\angle H \approx 75,5^\circ$ $\angle I \approx 29^\circ$ $\angle J \approx 76^\circ$
c 180° d $4,12 \cdot 3,14 = 53,6 \text{ cm}^2$
- 322 a --- b $MK = 10$ cm c $U = 10 \cdot 3,14 = 31,4 \text{ cm}^2$
- 323 a --- b $\angle N \approx 53^\circ$, $\angle O = 90^\circ$ og $\angle P \approx 37^\circ$
c $V \approx 52 \cdot 3,14 - (\frac{1}{2} \cdot 8 \cdot 6) = 54,5 \text{ cm}^2$
- 324 a --- b (2,1)
- 325 a --- b (-2,3)

- 326 (a) ~ (c)
- 327 (a) ~ (c) ~ (d)
- 328 a --- b ABCD ~ GHIJ
- 329 a 40 cm^3 b $1 : 8$ ella $1 : 2^3$ c $1 : 2$
- 330 a --- b $\triangle ABC \sim \triangle DEF$
- 331 a --- b (a) ~ (b)
- 332 a --- b --- c ---
- 333 a --- b $2 : 3$ ella $1 : 1\frac{1}{2}$
 c $\triangle ABC \approx 5$ deildir $\triangle CDE \approx 11$ deildir
 d $1 : 2,2$
- 334 a --- b Kvadrat c $r = 6$ eindir
 d --- e $(7,0)$ $(7,-6)$ $(1,-6)$ $(1,0)$
- 335 a --- b Javnbeintur trikantur c $H_1 = (-1,6)$ $I_1 = (-10,1)$ $J_1 = (-6,-3)$
- 336 a --- b 40 deildir c $6,4^2 \cdot 3,14 \approx 129$ deildir
- 337 a --- b --- c ≈ 83 deildir d ---
 e $\frac{14 \cdot 8}{2} = 56$ deildir ella $\frac{8 \cdot 16}{2} = 64$ deildir
 f Tann javnsíðaði trikanturinn
- 338 a --- b --- c --- d --- e $(1,1)$ og $(1,9)$
- 339 a --- b --- c Tað ber ikki til at tekna innskrivaðan sirkul í eitt rektangul .
- 340 a --- b $\frac{8+5,2}{2} \cdot 5 = 33 \text{ cm}^2$
- 341 a --- b $\angle E \approx 98^\circ$ $\angle F \approx 90^\circ$ $\angle G \approx 81^\circ$ $\angle H \approx 91^\circ$
- 342 a --- b $\angle C \approx 106^\circ$ $BD \approx 7,1 \text{ cm}$
- 343 a --- b $\angle D \approx 77^\circ$ $\angle B \approx 117,2^\circ$
- 344 a --- b $\angle A \approx 34^\circ$ $\angle B \approx 44^\circ$ $\angle C \approx 102^\circ$ c Vinkulsamløga: 180°
- 345 a --- b $FD \approx 7,2 \text{ cm}$ $\angle D \approx 53^\circ$ $\angle F \approx 82^\circ$
- 346 $V = \approx \frac{1}{4} 3,14 \cdot 8^2 - \frac{1}{2} \cdot 8^2 = 18,24 \text{ cm}^2$.
- 347 a 30 383 akfør b 48 716 fólk
 c Norðoya sýsla: 1,78 Eysturoyar sýsla: 1,55 Streymoyar sýsla: 1,56
 Vága sýsla: 1,48 Sandoyar sýsla: 2,05 Suðuroyar sýsla: 1,73
 d 1,6
- 348 a 60% b 60% c 120% d 9% e 75% f 75%

- 349** a --- b 27 deildir
- 350** a 372 b 154 c 69 d -20 e 22 f 0
- 351** $\approx 18,28$ cm
- 352** a ≈ 500 b ≈ 880 c ≈ 370 d ≈ 200 e ≈ 510 f ≈ 360
- 353** a --- b *m* c *l* d --- e *n* f ---
- 354** Longd: ≈ 4125 m Breidd: ≈ 825 m
- 355** a Ja b Nei
- 356** a (-2,0) b 32 deildir
- 357** a --- b $\approx 3,1^2 \cdot 3,14 \approx 30,2$ cm²
- 358** Ja, teir eru einsskapaðir
- 359** a ≈ 700 cm² b ≈ 376 cm² c ≈ 816 cm²
- 360** a --- b $AB \approx 4$ cm c $\angle B \approx 70^\circ$
d $V \approx \frac{5 \cdot 9}{2} + \frac{3,8 \cdot 10,9}{2} = 43,2$ cm²
- 361** $\angle C, \angle D, \angle A, \angle B, \angle E$
- 362** a --- b $V \approx \frac{6,1+11}{2} \cdot 4,9 = 41,9$ cm²
- 363** a --- b $\angle A \approx 17^\circ, \angle B \approx 110^\circ, \angle C \approx 53^\circ$
c Tilvildarlígan trikant d $V \approx 20,8$ cm²
- 364** a --- b --- c $V \approx 31,3$ cm²
d $V \approx 2,5^2 \cdot 3,14 = 19,6$ cm²
- 365** a --- b $A_1 = (-1,7)$ $B_1 = (-2,4)$ $C_1 = (4,1)$ $D_1 = (5,7)$
c $B_2 = (1,-7)$ $C_2 = (-5,-10)$ $D_2 = (-6,-4)$
- 366** a --- b $E_1 = (1,-3)$ $G_1 = (8,3)$ $H_1 = (6,-6)$
- 367** a --- b Ja c Nei d Nei
- 368** a --- b ---
c $U = 10 \cdot 3,14$ eindir = 31,4 eindir d $V = 24$ deildir
- 369** a --- b $\angle B \approx 20^\circ$ $CB \approx 18$ cm
- 370** a --- b $V_{ABC} \approx 24,9$ cm² c $V_{DEF} \approx 55,2$ cm² d Nei
- 371** a Trikanturinn: 24 cm²
b Romban: 11,48 cm²
c Javnfirringurinn: 43,32 cm²
- 372** a --- b $V_{ABCD} = 12$ cm²
c --- d $V_{EFGH} = 48$ cm²
- 373** a --- b --- c $\approx 48,9^\circ$

- 374** a --- b $\angle D \approx 120^\circ$ $\angle A \approx 60^\circ$ b $V = 96 \text{ cm}^2$
- 375** a --- b Javnbeintur trikantur c $V_{ABC} \approx \frac{12,6 \cdot 4}{2} \text{ cm}^2 = 25,2 \text{ cm}^2$
d $AB \approx 12,8 \text{ cm}$
- 376** a --- b --- c $V \approx 15,0 \text{ cm}^2$ d $V \approx 8 \text{ cm}^2$
- 377** a --- b $A_1 = (-4, -8)$ $B_1 = (-3, -3)$ $C_1 = (-7, -3)$
c $B_2 = (3, -2)$ $C_2 = (-1, -2)$
- 378** a --- b $D_1 = (-5, -2)$ $F_1 = (1, -9)$

4 Tema – Spøl

Ongi svar.

5 Algebra og likningar

- 501** a -1 b -17 c 63 d 54
 e -10 f 31 g -8 h 18
- 502** a $7x - 3$ b $8x - 1$ c $x - 3$ d $5y - 5$
 e $7y + 4$ f $17x - 4$ g $-2x + 2y$ h $8x + y$
- 503** a 50 b 23 c $5x$
 d $-9x - 8$ e $y + 20$ f $-4a - 8b - 2$
- 504** a $6x + 9y + 36$ b $-6y + 12$ c $2x + 8y$
 d $9x + 6y$ e $-12x + 12y$ f $18x - 12y + 3$
- 505** a $13x + 7y - 60$ b $6y$ c $32x + 14y - 6$
 d $25x + 25y - 7$ e $-24x - 40y + 40$ f $-19x - 20y - 9$
- 506** a $6x - 6y + 10 = -2$ b $5x - 2y = 5$ c $-4x + 12 = 0$
 d $12x - 12y + 21 = -3$ e $10x + 3y = 45$ f $-13x + 5y - 10 = -24$
- 507** a $3a + 2b = 27$ b $-9a = -45$ c $-16a + 9b = -26$
 d $-16a - 20b = -200$ e $3a - 4b + 20 = 11$ f $-9a + 6b + 25 = 16$
- 508** a $x = 12$ b $x = 15$ c $x = 3$ d $x = -12$ e $x = 5$ f $x = 34$
- 509** a $x = 5,5$ b $x = 14$ c $x = 3$ d $x = 15$ e $x = 6$ f $x = 17$
- 510** a $4(x + 3)$ b $8(y + 3)$ c $5(x - 3)$
 d $7(5x + 7y)$ e $3(3y + 5)$ f $10(-y + 2)$
- 511** a $9(x + 4)$ b $6(7 - 3y)$ c $5(3x - 8)$
 d $4(4x - 3y + 5)$ e $8(4 - 2x + 3y)$ f $5(-2x + 1 - 4y)$
- 512** a $9(-2x + 3y - 6)$ b $2(2y + 3x - 5)$ c $21(x + 3y + 4)$
 d $16(4 + 3x + y)$ e $2(9x + 12y - 4)$ f $6(5y + 9 - 12x)$
- 513** Kvadrat: $U = 8x$ $V = 4x^2$
 Rektangul: $U = 10x$ $V = 6x^2$
 Grundstykki: $U = 22x$ $V = 21x^2$
- 514** $U = 10x$ $V = 4x^2$
- 515** $Y = 6x^2$
- 516** a $x = 12$ b $x = 4$ c $x = 1$ d $x = 6$ e $x = -10$ f $x = 22$
- 517** a $x = 14$ b $x = 18$ c $x = 22$ d $x = 7$ e $x = 0$ f $x = 5$
- 518** a $x = 1$ b $x = 17$ c $x = -7$ d $x = 8$ e $x = 11$ f $x = 7$
- 519** a $x = 4$ b $x = 3$ c $x = 6$ d $x = 13$ e $x = 10$ f $x = 1$
- 520** ---
- 521** a $x = 8$ b $x = 6$ c $x = -3$ d $x = 9$ e $x = 12$ f $x = -4$
- 522** a $x = -7$ b $x = 3$ c $x = 6$ d $x = 10$ e $x = -2$ f $x = -5$

- 523 a $x = -10$ b $x = 7$ c $x = 3$ d $x = -3$ e $x = -3$ f $x = 2$
- 524 a $x = -6$ b $x = 4$ c $x = 16$ d $x = 9$ e $x = 34$ f $x = 18$
- 525 a Jóhann 14 ár, Oddur 7 ár
b $2x + x = 21$ $x = 7$
- 526 a Ernst fær 10 súrepli, Frits fær 20 súrepli, og Gilli fær 40 súrepli
b $x + 2x + 4x = 70$ $x = 10$
- 527 a Íðunn fær 175 kr, Gudný fær 125 kr, og Andrea fær 350 kr.
b $x + x - 50 + 2x = 650$ $x = 175$
- 528 a $2(2x + 2x + 4) = 48$ $x = 5$ Síðurnar eru 10 cm og 14 cm.
b Víddin er 140 cm^2
- 529 a 39 b 600 c 1334 d 6773,2
e 352,75 f 2718,75 g 5870,2 h 4995,25
- 530 Næstan 3 ár
- 531 a $\approx 23,6 \text{ cm}$
b $\approx 4244 \text{ cm}$
- 532 a 884 kr b 819,36 kr c $\approx 1258,21 \text{ kr}$
- 533 a 380 000 b 4 800 000 c 53 500 d 18 600 000
e 1,5 f 987 250 g 0,8 h 37 980
- 534 a $8,7 \cdot 10^3$ b $3,3 \cdot 10^4$ c $5,25 \cdot 10^5$ d $8,67 \cdot 10^6$
e $8,75 \cdot 10^2$ f $9,5 \cdot 10^1$ g $6,725 \cdot 10^5$ h $1,207 \cdot 10^5$
- 535 Kodi: 50% Lampa: $\approx 66,9\%$ Ljós: $\approx 66,9\%$
- 536 Vídd = 12 deildir $B_1 = (0,2)$ $C_1 = (3,-2)$
- 537 a 1117,50 kr b 1862,50 kr
c 2421,25 kr d 4283,75 kr
- 538 5335,2 km/t
- 539 a --- b --- c $R \approx 2 \text{ cm}$
- 540 26,5 m
- 541 a 25 b 14 c -30 d -6 e 9 f -4

542

x	y	$3(x + y)$	$10 - x - y$	$x + xy$
1	4	15	5	5
-2	5	9	7	-12
-4	4	0	10	-20
1	10	33	-1	11
3	-6	-9	13	-15
-5	-1	-18	16	0

- 543** a $32x + 28$ b $-4x + 20$ c $5x - 5y$
d $8x - 4y - 10$ e $-4x - 4y$ f $21y + 18$
- 544** a $24x + 32y$ b $6x - 20$ c $-6x + 30$
d $13x + 6y$ e $-8x + 6$ f $4x + 5y$
- 545** a $3a + 7b = 59$ b $4a + 11b - 6 = 81$ c $8a - 4b + 18 = 62$
d $2a + 2b = 26$ e $-a + 4b = 12$ f $-10a - 5b + 50 = -55$

- 546** a $U = 8x + 8$ $U = 14x + 4$
b $U = 72 \text{ cm}$ $U = 116 \text{ cm}$
c $V = 816 \text{ cm}^2$ $V = 320 \text{ cm}^2$

- 547** a $4(2x + 3)$ b $3(5y + 3)$ c $4(4x + 3)$
d $7(3y + 5)$ e $2(7x + 9y)$ f $5(2y + 5x)$

- 548** a $x = 8$ b $x = 6$ c $x = 20$ d $x = -1$ e $x = 7$ f $x = 5$

- 549** a $x = 4$ b $x = 3$ c $x = -4$ d $x = -3$ e -4 f $x = 1$

- 550** $x + (x + 10) + (x + 15) = 322$ $x = 99$
99 kr, 109 kr og 114 kr

- 551** a 11 b 64 c 24 d -21 e -6 f -3

552

a	b	$5(a + b)$	$a^2 + b^2$	$a^2 - a$	$b^2 - ab$
1	4	25	17	0	12
2	-3	-5	13	2	15
4	-2	10	20	12	12
-6	5	-5	61	42	55
-5	-1	-30	26	30	-4
3	2	25	13	6	-2

- 553** a $33x - 12y + 54$ b $-6a + 21b - 6$ c $x + 8y + 4$
d $-6x + 8y + 6$ e $5x + 6$ f $10y$
- 554** a $16a + 3b$ b $8x + 8$ c $-18a + 5b$
d $x + 3y - 6$ e $-x - 6$ f $2x + y$
- 555** a -4 b $-2x + 3y = 12$ c $-2x + 5y = 28$
d $-9x - 21y = -222$ e $-6x + 24y + 6 = 162$ f $-7x - 7y = -98$

- 556** a Vídd: $2x + 8$ Vídd: $x^2 + 5x$
b Vídd: 16 cm^2 Vídd: 36 cm^2

- 557** a $6(x + 2y + 5)$ b $6(3y + 4x + 6)$ c $4(2y + 3 - 4x)$
d $6(8 + x + 2y)$ e $3(8x + 13y + 6)$ f $3(-3x - 5y - 6)$

- 558** a $x = 2$ b $x = -5$ c $x = 1$ d $x = 7$ e $x = -2$ f $x = -4$

- 559** a $x = 25$ b $x = 9$ c $x = 12$ d $x = 9$ e $x = 6$ f $x = 10$

- 560** a $2(x + x - 40) = 280$ $x = 90$ 90 m og 50 m
b Vídd: 4500 m^2

6 Tema – Formlar

601 230 volt

602 28 ohm

603 ≈ 6 amperur

604 $\approx 0,43$ amperur

605 $\approx 5,2$ amperur

606 1794 watt

607 a 112,7 km/t b 453,6 g
c 48,448 litrar d 78,0192 kg

608 a 16 trapputrin b 29 cm

609 a $16 \cdot 96 + 310 = 1846 \text{ cm} = 18,46 \text{ m}$ b $\frac{16 \cdot 96}{256} = 6$ hæddir

610 ---

611 a 68°R b 185°F

612 a 16°R b 68°F

613 a 45°C b 113°F

614 a $\approx 66,7^\circ\text{C}$ b $\approx 53,3^\circ\text{R}$

7 Linjufunktiórnir

- 701 a --- b (6,-2)
- 702 a --- b 48 deildir
- 703 a --- b (4,-4) c $\approx 36^\circ$
- 704 a --- b 64 deildir
- 705 $y = \frac{1}{2}x + 6$ $y = -x - 3$
- 706 $y = 2x + 1$ $y = -\frac{2}{3}x - 7$
- 707 m: $a = -3$ n: $a = 1$ l: $a = 2$ p: $a = \frac{1}{2}$
- 708 (0,-3)
- 709 a (0,5) b $y = \frac{1}{2}x + 5$
- 710 $a = \frac{1}{3}$
- 711 a $a = -1$ b $y = -x$ c $a = 1$ d (0,0)
- 712 a --- b (0,3) c Í öllum linjunum er $b = 3$
- 713 a --- b (0,-4) c $b = -4$
- 714 a er negetaívt og b er positívt
a er positívt og b er positívt
a er positívt og b er negatívt
a er negatívt og b er negatívt
- 715 $y = \frac{1}{2}x + 5$ $y = -2x - 10$
- 716 $y = \frac{1}{4}x + 3$ $y = -x + 8$
- 717 a --- b (0,-6) (4,2) (-4,6)
- 718 i: $y = 2x + 5$ j: $y = -\frac{1}{3}x - 2$
- 719 l: $y = -2x - 6$ m: $y = 2x + 2$
- 720 Ja, faldið á halltölunum er -1
- 721 a 25 kr b 100 kr c ≈ 12 undirhald
- 722 a --- b 3700 kr c 3300 kr d Tann fyrra familjan e uml 3 ár
- 723 a --- b 6952,50 kr c 695,25 kr
- 724 a --- b 157,75 kr 171,50 kr 185,25 kr
c 589,50 kr 617,00 kr 978,50 kr 644,50 kr
d 903,50 kr 941,00 kr 978,50 kr

- 725 a $y = 2x + 100$ b $y = 10x + 25$ c $y = 5x + 20$
- 726 a $y = -2x + 200$ b $y = 4x + 20$ c $y = 4x + 20$
- 727 a --- b (1,-2)
- 728 a --- b (6,5)
- 729 a --- b (2,6) (6,-2) (-2,-6) (-6,2)
c Eitt kvadrat d 81 deildir
- 730 a --- b 80 kr c 123,20 kr d 166,40 kr
- 731 $\approx 0,013\%$
- 732 43800 innbrot
- 733 a $\frac{3}{4}$ b $\frac{1}{2}$ c $\frac{3}{2}$
d $\frac{1}{8}$ e $\frac{1}{20}$ f $\frac{4}{5}$
- 734 10
- 735 $\approx 19,63$ m
- 736 a 21600 – 28800 b 7 884 000 – 10 542 000
- 737 a $x = -2$ b Øll töl c $x = 4$ d $x = 3$ e $x = 2$ f $x = 0$
- 738 a ≈ 400 b ≈ 1500 c ≈ 1300
d ≈ 30 e ≈ 52 f ≈ 60
- 739 4,5 mia km
- 740 a 24 tons b 2160 tons
- 741 a $-3x + 10$ b $-6a + 12$ c $-2x + 2$
d $-7x$ e $-4a + 30$ f $-2y - 4$
- 742 a 475,956 b 299,096 c 52,7068
d 180,88 e 158,474 f 62,28
- 743 a 217 b 507 c 311
d 721 e 523 f 929
- 744 a 13,6% b 12,5% c 20%
d 37,5% e e 80% f 60%
- 745 a (0,5) og (5,0) b 12,5 deildir
- 746 a (6,0) og (0,9) b 27 deildir
- 747 a l: 3 b l: (0,-6)
m: 1 m: (0,3)
n: -1 n: (0,6)
p: 2 p: (0,-4)
c l: $y = 3x - 6$ m: $y = x + 3$ n: $y = -x + 6$ p: $y = 2x - 4$

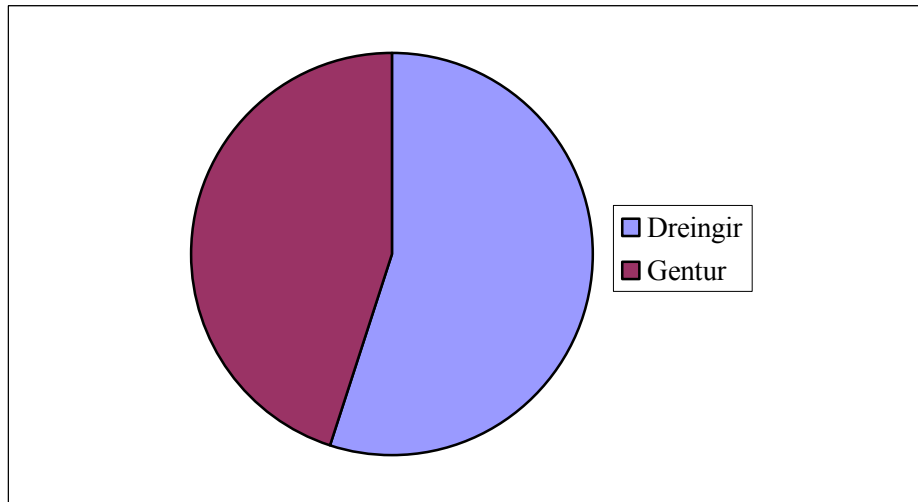
- 748** a $(-7, -9)$ b Nei
- 749** 9 deildir
- 750** a --- b $l: y = 2x + 8$ $m: y = -2x + 8$ $n: y = -8$
 c $(0, 8), (-8, -8)$ og $(8, -8)$ d --- e $20 \cdot \pi$
- 751** a -3 b $y = -3x$
- 752** a Ja, hann er javnbeintur og rættvinklaður
 b $y = 3x + 7$ $y = \frac{1}{2}x - 3$ $y = -\frac{1}{2}x + 7$
- 753** $(0, 4), (2, 2)$ og $(-4, -4)$
- 754** $m: y = \frac{1}{2}x + 2$
- 755** $p: y = -2x$
- 756** a Linjurnar m og p b $y = x + 4$ og $y = -x - 3$
- 757** $(-8, 7)$
- 758** $m: y = 3x + 3$
- 759** a Linjurnar eru javnfjarar b Halltalið $a = 2$ er tað sama
- 760** a Linjurnar eru javnfjarar b Halltalið $a = -3$ er tað sama
- 761** a $y = -\frac{1}{2}x + 4$ $y = -\frac{1}{2}x + 2$ $y = -\frac{1}{2}x - 3$
- 762** $y = -\frac{1}{2}x - 5$
- 763** $(0, -3)$
- 764** a $\frac{1}{2}, -2, \frac{1}{4}$ og -4 b $\frac{1}{2}$ og -2 og $\frac{1}{4}$ og -4 c Faldið er -1
- 765** m og n
- 766** a Halltølini hava mótsett fortekn og fortekini hjá b eru eisini mótsett
 b Halltølini hava mótsett fortekn

8 Konfirmatión

801 a $\frac{5}{6} \approx 83\%$

b $\frac{1}{6} \approx 17\%$

802



803 ---

804 a 1658,70 kr
c 1230,30 kr

b 568 kr
d 1524,60 kr

805 24 móguleikar

806 a 2830 kr b 2095 kr c ---

807 a 317,50 kr b 263,75 kr c 219,63 kr

808 20%

809 44,6%

810 8450 kr

811 27 móguleikar

812 81 móguleikar

813 9 ymiskar verðar

814 12 078 kr

815 1415,75 kr

816 8765,75 kr

817 9116,38 kr

818 6208,20 kr

819 1091,80 kr

820 a --- b --- c Tá ið tey ætla at royna fleiri enn 15 undirhald

- 821**
- a** Gjalda fyrir hvört undirhaldið
 - b** Tað er bígari: $75 \text{ kr} + 7 \cdot 10 \text{ kr} = 145 \text{ kr}$ í staðin fyrir 225 kr
 - c** Fleiri enn 15 undirhald
 - d** $16 \cdot 10 \text{ kr} + 75 \text{ kr} - 225 \text{ kr} = 10 \text{ kr}$

9 Brot

- 901** a $\frac{4}{6}, \frac{6}{9}, \frac{8}{12}$ o.s.fr. b $\frac{2}{14}, \frac{3}{21}, \frac{4}{28}$ o.s.fr. c $\frac{2}{10}, \frac{3}{15}, \frac{4}{20}$ o.s.fr.
 d $\frac{6}{16}, \frac{9}{24}, \frac{12}{32}$ o.s.fr. e $\frac{4}{18}, \frac{6}{27}, \frac{8}{36}$ o.s.fr. f $\frac{2}{8}, \frac{3}{12}, \frac{4}{16}$ o.s.fr.
- 902** a $\frac{5}{20}$ b $\frac{4}{20}$ c $\frac{14}{20}$ d $\frac{15}{20}$ e $\frac{16}{20}$ f $\frac{10}{20}$
- 903** a $\frac{6}{18}$ b $\frac{15}{18}$ c $\frac{14}{18}$ d $\frac{9}{18}$ e $\frac{4}{18}$ f $\frac{6}{18}$
- 904** a $\frac{6}{18}, \frac{3}{18}, \frac{4}{18}, \frac{9}{18}$ b $\frac{8}{28}, \frac{7}{28}, \frac{6}{28}, \frac{14}{28}$ c $\frac{16}{24}, \frac{9}{24}, \frac{20}{24}, \frac{6}{24}$
 d $\frac{18}{30}, \frac{10}{30}, \frac{10}{30}, \frac{9}{30}$ e $\frac{6}{24}, \frac{16}{24}, \frac{4}{24}, \frac{3}{24}$ f $\frac{2}{18}, \frac{6}{18}, \frac{12}{18}, \frac{9}{18}$
- 905** c, d og f
- 906** b og e
- 907** a $\frac{2}{3}$ b $\frac{2}{3}$ c $\frac{3}{4}$ d $\frac{1}{2}$ e $\frac{4}{5}$ f $\frac{1}{4}$
- 908** a $\frac{3}{4}$ b $\frac{2}{5}$ c $\frac{4}{5}$ d $\frac{3}{4}$ e $\frac{4}{9}$ f $\frac{4}{5}$
- 909** a $2\frac{1}{2}$ b $2\frac{2}{3}$ c $4\frac{2}{5}$ d $2\frac{1}{2}$ e $3\frac{5}{6}$
 f $3\frac{1}{4}$ g $1\frac{1}{5}$ h $4\frac{5}{9}$ i $5\frac{4}{7}$
- 910** a $\frac{13}{4}$ b $\frac{16}{9}$ c $\frac{37}{5}$
 d $\frac{63}{15}$ e $\frac{64}{5}$ f $\frac{16}{3}$
 g $\frac{11}{4}$ h $\frac{31}{7}$ i $\frac{59}{7}$
- 911** a $\frac{11}{12}$ b $1\frac{1}{18}$ c $1\frac{3}{10}$
 d $1\frac{3}{20}$ e $1\frac{29}{42}$ f $\frac{29}{30}$
 g $1\frac{1}{4}$ h $1\frac{3}{14}$ i $1\frac{17}{56}$
- 912** a $\frac{1}{4}$ b $\frac{1}{2}$ c $\frac{1}{5}$
 d $\frac{7}{15}$ e $\frac{19}{40}$ f $\frac{1}{5}$
 g $\frac{3}{14}$ h $\frac{11}{18}$ i $\frac{5}{12}$
- 913** a $7\frac{5}{6}$ b $5\frac{11}{12}$ c $9\frac{1}{4}$ d $6\frac{5}{6}$ e $4\frac{7}{10}$
 f $3\frac{7}{10}$ g $5\frac{7}{18}$ h $7\frac{11}{12}$ i $4\frac{7}{8}$ j $6\frac{1}{9}$

- 914 a $2\frac{5}{6}$ b $3\frac{7}{20}$ c $3\frac{3}{4}$ d $7\frac{4}{15}$ e $2\frac{3}{10}$
 f $7\frac{7}{10}$ g $8\frac{11}{12}$ h $4\frac{13}{18}$ i $5\frac{1}{2}$ j $3\frac{5}{12}$
- 915 a $5\frac{11}{12}$ b $6\frac{1}{2}$ c $6\frac{13}{15}$ d $6\frac{3}{14}$
 e $5\frac{9}{10}$ f $6\frac{7}{12}$ g $4\frac{11}{24}$ h $10\frac{1}{24}$
- 916 a $2\frac{3}{10}$ litrar b $5\frac{3}{4}$ litrar c $3\frac{1}{10}$ litrar d $3\frac{7}{20}$ litrar
- 917 a 8 dl b 5 dl c 2,5 dl d 2 dl e 15 dl f 24 dl
- 918 a $\frac{1}{2}$ b $\frac{1}{8}$ c $\frac{2}{5}$ d $\frac{1}{6}$ e $\frac{1}{7}$
 f $\frac{1}{4}$ g $\frac{2}{15}$ h $\frac{3}{5}$ i $\frac{3}{7}$
- 919 a 4 b 6 c $1\frac{1}{3}$ d 16
 e 9 f $12\frac{1}{2}$ g $1\frac{1}{2}$ h $2\frac{2}{5}$
- 920 a 72 b 44 c 45 d 75
 e 32 f 55 g 147 h 106
- 921 $\frac{1}{6}$
- 922 a $\frac{2}{11}$ b $\frac{1}{5}$ c $\frac{1}{20}$ d $\frac{1}{12}$ e $\frac{2}{35}$
 f $\frac{3}{10}$ g $\frac{1}{8}$ h $\frac{1}{8}$ i $\frac{2}{25}$ j $\frac{1}{18}$
- 923 a 0,5 b 0,2 c 0,25 d 0,6
 e 0,75 f 0,4 g 0,8 h 0,5
- 924 a 0,95 b 1,65 c 1,65 d 1,15
 e 0,55 f 0,3 g 0,35 h 0,25
- 925 a 6 pitsur við osti 8 pitsur við osti og oliven
 4 pitsur við við ongum osti 6 pitsur við osti, oliven og ansjósum
 b 13 kola, 17 hindber, 12 sitrónvatn og 6 apilsinvatn
- 926 a $\frac{2}{15}$ b Sigríð: 1737 kr, foreldrini: 5790 kr, omman og abbin: 1158 kr
- 927 a 150 súrepli, 110 perur og 425 gularøtur
 b Súrepli: $\frac{1}{4}$, perur: $\frac{4}{15}$ og gularøtur: $\frac{3}{20}$
 c Tey vunnu 125 kr
- 928 Skurðpunkt: (2,1)
- 929 a 1818 b 9936 c 6528 d 2422 e 43 976 f 26 132
- 930 a 812 178
- 931 571 520

932 a $\frac{1}{4} \cdot \frac{1}{4} \cdot \frac{1}{4} = \frac{1}{64} \approx 1,6\%$ b $\frac{1}{4} \cdot \frac{1}{4} \cdot \frac{1}{4} \cdot \frac{1}{4} = \frac{1}{256} \approx 0,4\%$

933 38 km/t

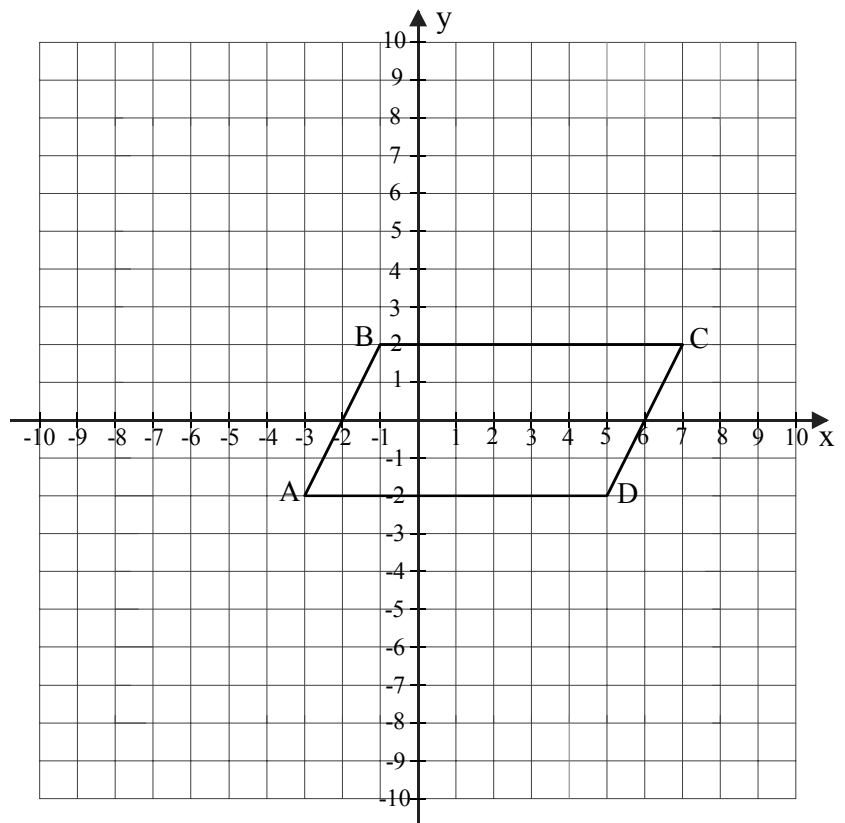
934 a $\approx 11,93$ kr b $\approx 8,89$ kr c 49,75 kr

935 a $x = 17$ b $x = 8,5$ c $x = 2$ d $x = -1,5$ e $x = 4$ f $x = 3$

936 Kopar: 828,4 kg Tin: 43,6 kg

937 a 30: 1, 2, 3, 5, 6, 10, 15 og 30 b 36: 1, 2, 3, 4, 6, 9, 12, 18 og 36
 c 40: 1, 2, 4, 5, 8, 10, 20 og 40 d 45: 1, 3, 5, 9, 15 og 45
 e 54: 1, 2, 3, 6, 18, 27 og 54 f 64: 1, 2, 4, 8, 16, 32 og 64

938 a ---
 b $C = (7,2)$
 c $V = 32$ deildir



939 a 500 g b 0,33 l c 0,4 l d 25 g
 e 1,6 l f 1050 g g 0,2 l h 0,25 l

940 a 52 kr b $\approx 10,9\%$

941 a $\frac{8}{24}$ b $\frac{6}{24}$ c $\frac{6}{24}$ d $\frac{16}{24}$ e $\frac{3}{24}$
 f $\frac{21}{24}$ g $\frac{12}{24}$ h $\frac{18}{24}$ i $\frac{2}{24}$

942 a $\frac{8}{24}, \frac{8}{24}, \frac{9}{24}, \frac{12}{24}$ b $\frac{12}{28}, \frac{4}{28}, \frac{21}{28}, \frac{14}{28}$ c $\frac{5}{15}, \frac{3}{15}, \frac{3}{15}, \frac{10}{15}$
 d $\frac{3}{12}, \frac{10}{12}, \frac{8}{12}, \frac{6}{12}$ e e $\frac{8}{12}, \frac{10}{12}, \frac{3}{12}, \frac{6}{12}$ f $\frac{8}{18}, \frac{9}{18}, \frac{12}{18}, \frac{9}{18}$

943 a $\frac{2}{3}$ b $\frac{3}{5}$ c $\frac{1}{6}$ d $\frac{2}{5}$ e $\frac{3}{4}$
 f $\frac{5}{6}$ g $\frac{6}{7}$ h $\frac{4}{5}$ i $\frac{3}{4}$

- 944** a $2\frac{1}{4}$ b $1\frac{1}{4}$ c $3\frac{3}{5}$ d $3\frac{1}{6}$ e $3\frac{1}{2}$
f $4\frac{2}{7}$ g $1\frac{1}{5}$ h $7\frac{1}{3}$ i $4\frac{4}{5}$
- 945** a $\frac{5}{6}$ b $1\frac{1}{14}$ c $1\frac{5}{24}$ d $\frac{17}{20}$
e $1\frac{7}{15}$ f $1\frac{1}{12}$ g $1\frac{5}{14}$ h $\frac{11}{15}$
- 946** a $\frac{1}{2}$ b $\frac{3}{10}$ c $\frac{1}{3}$ d $\frac{5}{9}$
e $\frac{7}{24}$ f $\frac{1}{2}$ g $\frac{5}{14}$ h $\frac{1}{12}$
- 947** a $3\frac{1}{6}$ b $5\frac{7}{12}$ c $3\frac{2}{3}$ d $3\frac{3}{8}$ e $3\frac{1}{4}$ f $4\frac{1}{2}$
- 948** a $1\frac{1}{4}$ b $3\frac{1}{5}$ c $1\frac{1}{4}$ d $1\frac{1}{2}$ e $\frac{5}{6}$ f $1\frac{1}{2}$
- 949** a $\frac{1}{6}$ b $\frac{1}{4}$ c $\frac{1}{8}$ d $\frac{8}{15}$ e $\frac{4}{21}$
f $\frac{1}{6}$ g $\frac{1}{5}$ h $\frac{1}{5}$ i $\frac{2}{7}$
- 950** a 80 b 16 c 40 d 24 e 105 f 60
- 951** a 12 cm^2 b 8 cm^2 c 18 cm^2 d 16 cm^2 e 9 cm^2 f 10 cm^2
- 952** a $\frac{3}{5}$ b Maja fær 159 kr, og Pætur fær 106 kr
- 953** a $\frac{1}{3}$ b 165 súrepli, 275 blommur og 220 gularötur c 277,50 kr
- 954** a $1\frac{23}{42}$ b $\frac{9}{20}$ c $1\frac{3}{14}$ d $1\frac{1}{2}$ e $\frac{14}{15}$ f $\frac{11}{15}$
- 955** a $\frac{1}{3}$ b $\frac{3}{14}$ c $\frac{1}{5}$ d $\frac{17}{24}$ e $\frac{11}{18}$
f $\frac{7}{24}$ g $\frac{16}{35}$ h $\frac{1}{2}$ i $\frac{1}{24}$
- 956** a $6\frac{3}{10}$ b $4\frac{3}{20}$ c $7\frac{1}{6}$ d $6\frac{1}{9}$
e $11\frac{5}{12}$ f $5\frac{7}{18}$ g $11\frac{11}{20}$ h $12\frac{7}{20}$
- 957** a $2\frac{5}{12}$ b $1\frac{5}{6}$ c $1\frac{3}{10}$ d $3\frac{2}{9}$
e $7\frac{13}{18}$ f $1\frac{3}{8}$ g $4\frac{11}{24}$ h $3\frac{9}{10}$
- 958** a $4\frac{2}{3}$ b $1\frac{1}{3}$ c $\frac{5}{9}$ d $2\frac{3}{5}$ e $2\frac{3}{5}$
f $4\frac{1}{3}$ g $3\frac{5}{6}$ h $4\frac{1}{2}$ i $2\frac{3}{4}$ j $1\frac{4}{9}$
- 959** a $7\frac{1}{5}$ b $7\frac{1}{9}$ c $\frac{1}{2}$ d $8\frac{2}{5}$ e $\frac{7}{36}$
f $7\frac{4}{5}$ g $\frac{2}{7}$ h $\frac{5}{8}$ i $\frac{4}{7}$

- 960** a 18 cm^2 b 12 cm^2 c 32 cm^2
d 40 cm^2 e 20 cm^2 f 2 cm^2
- 961** a 105 b 144 c 200 d 624
e 414 f 341 g 221 h 600
- 962** a $\frac{2}{35}$ b $\frac{1}{4}$ c $\frac{1}{20}$ d $\frac{4}{15}$ e $\frac{2}{9}$ f $\frac{3}{14}$
- 963** 120 kr
- 964** a 8 b 12 c 14 d $6\frac{3}{4}$ e 16 f $8\frac{8}{9}$
- 965** a $4\frac{1}{2}$ b $\frac{9}{25}$ c $\frac{1}{3}$ d 1 e $\frac{2}{9}$
f $1\frac{1}{5}$ g $1\frac{1}{5}$ h $\frac{3}{4}$ i $\frac{6}{7}$
- 966** a 1,25 b 2,25 c 22,45 d 0,75
e 2 f 0,65 g 2,5 h 1,9

10 Norðoyatunnilin

- 1001 a 122 dagar b 547 dagar
- 1002 a 47 m b 11,33 m
- 1003 a 1240 ferðir b ≈ 887 kg
c ≈ 331 m³ d ≈ 290 kg
- 1004 a 1041,6 l/min b 17,36 l/min c $\approx 5,4$ l
- 1005 a $\approx 6,15$ m b ---
- 1006 a 169 m³ b 149 m³
- 1007 a 396 025 kr b ---
- 1008 a $\approx 30,7$ b 48% c $\approx 56,7\%$ d 163 túrar

11 Vídd og rúmd

- 1101 a $50,22 \text{ m}^2$ b $189,52 \text{ cm}^2$
c $0,516 \text{ m}^2$ d $158,79 \text{ cm}^2$
- 1102 a $132,25 \text{ cm}^2$ b $3,75 \text{ m}^2$
c $3,034 \text{ m}^2$ d $0,816 \text{ m}^2$
- 1103 a $126,06 \text{ cm}^2$ b $1096,86 \text{ cm}^2$
c $237,16 \text{ cm}^2$ d $68,06 \text{ cm}^2$
- 1104 1425 m^2
- 1105 2016 m^2
- 1106 $\approx 476 \text{ l}$
- 1107 18400 cm^3
- 1108 $6,9 \text{ m}^3$
- 1109 $75,9 \text{ l}$
- 1110 a $0,3402 \text{ m}^3$ b ≈ 3 kassar
- 1111 $\approx 31,8 \text{ cm}$
- 1112 15 cm^3
- 1113 1 kg
- 1114 $847,5 \text{ g}$
- 1115 12 cm^3
- 1116 a $R = 134,4 \text{ m}^3$ b $1733,76 \text{ g}$
- 1117 a 22 cm^3 b $59,4 \text{ g}$
- 1118 a 120 cm^3 b 2316 g
- 1119 a 67200 cm^3 b $524160 \text{ g} = 524,16 \text{ kg}$
- 1120 a 480 cm^2 b 4272 g
- 1121 a 900 g b $13,6 \text{ kg}$
- 1122 a 48 l b 6 ferðir
- 1123 120 cm
- 1124 a 3 rektangul og 2 tríkantar b 6 rektangul
c 2 sirklar og 1 rektangul d 4 rektangul og 2 javnfirringar
e 2 trapets og 4 rektangul
- 1125 152 cm^2
- 1126 78 cm^2

- 1127 160 cm^2
- 1128 a --- b 96 cm^3 c ---
- 1129 a --- b 45 cm^3 c ---
- 1130 a --- b 120 cm^3 c ---
- 1131 a 148 cm^2 b 120 cm^3 c ---
- 1132 a --- b 290 cm^2 c --- d 300 cm^3
- 1133 a $49,22 \text{ m}^2$ b $43,42 \text{ m}^2$ c $10,88 \text{ l}$ d 1269 kr
- 1134 a $147,2 \text{ m}^2$ b $308,7 \text{ m}^2$
- 1135 $417,6 \text{ l}$
- 1136 a 100 cm^3 b 1 dl c $0,1 \text{ l}$
- 1137 28080 km/t
- 1138 39960 km/t
- 1139 9425 km/t
- 1140 $\approx 40\,074 \text{ km}$
- 1141 $1669,75 \text{ km/t}$
- 1142 a $18a - 10$ b $3x + 67$ c $6x + 30$ d $24a - 27$ e 13 f $-12x - 5$
- 1143 $(2,2)$
- 1144 2560 mia kr
- 1145 $7,92 \text{ m}^2$
- 1146 $854,25 \text{ kr}$
- 1147 a $0,75$ b $0,05$ c $0,15$ d $1,75$ e $1,20$ f $0,75$
- 1148 $704\,000$
- 1149 a $0,72$ b $0,005$ c $0,125$ d $1,26$
e $0,375$ f $0,805$ g $2,00$ h $0,001$
- 1150 a 180 kr b 350 kr c 7000 kr d 3000 kr
e 350 kr f $2,50 \text{ kr}$ g 8200 kr h 216 kr
- 1151 a $12 \frac{1}{12}$ b $5 \frac{17}{18}$ c $14 \frac{38}{45}$ d $30 \frac{1}{5}$
e $1 \frac{7}{16}$ f $\frac{2}{3}$ g $1 \frac{7}{18}$ h $\frac{43}{60}$
- 1152 a $\frac{3}{25}$ b $\frac{9}{20}$ c $\frac{1}{200}$ d $1 \frac{1}{4}$
e 1 f $\frac{3}{5}$ g $\frac{7}{25}$ h $\frac{17}{20}$
- 1153 $1 : 27$

- 1154** a $\approx 18,85 \text{ cm}^3$ b $\approx 213 \text{ g}$
1155 a 63 cm^2 b 15120 cm^3 c $117,936 \text{ kg}$
1156 a $6 \text{ dm} \times 4 \text{ dm}$ b 24 dm^2 c 5 dm
1157 a $778,12 \text{ m}^2$ b $155,642 \text{ m}^2$
1158 a 800 m^2 b 160 m^2
1159 1375 cm^3
1160 $\approx 2068,4 \text{ cm}^3$
1161 12200 cm^3
1162 4 cm og 12 cm
1163 54 cm^2
1164 a $111086,4 \text{ cm}^3$ b $\approx 1255 \text{ kg}$
1165 $\approx 12,6 \text{ cm}$
1166 a $1228,5 \text{ cm}^3$ b $3439,8 \text{ g}$
1167 $\approx 14,5 \text{ l}$
1168 a $5,45 \cdot 10^9 \text{ t}$ b $5,45 \text{ t}$
1169 a $18,5 \text{ cm}$ b $13,9 \text{ cm}$ c $1,85 \text{ cm}$
1170 a 248 cm^3 b $\frac{3}{4} \text{ litrar}$
1171 29 svávuldósir
1172 a $\approx 72,2 \text{ cm}^3$ b $\approx 68,6 \text{ g}$

12 Landalæra og stöddfrøði

1201 $\approx 34,6$ km

1202 1 : 570 000

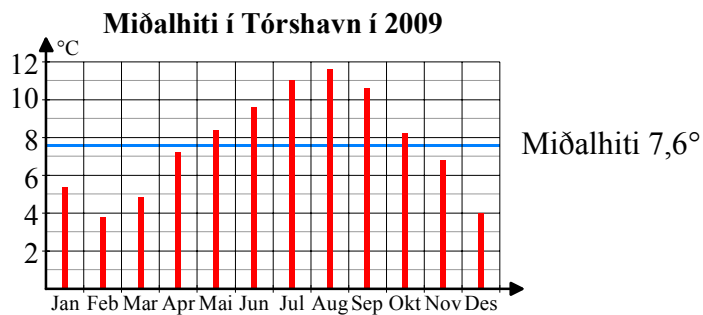
1203 a ≈ 30 km b ≈ 49 km c ≈ 42 km d ≈ 31 km e ≈ 32 km f ≈ 60 km

1204 1500 km

1205 166,5 km

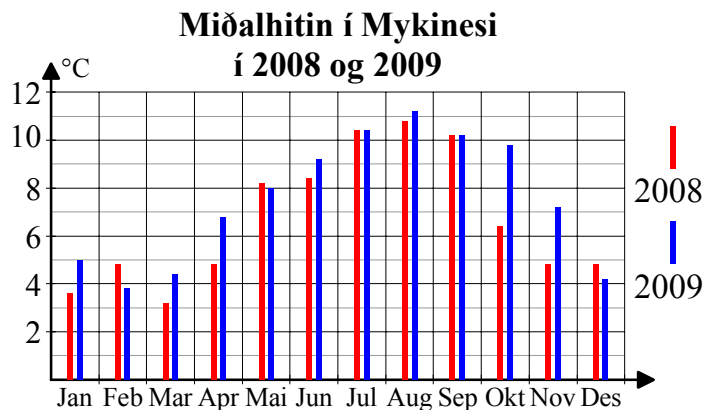
1206 a Jan 220 mm Feb 130 mm Mar 210 mm Apr 110 mm
 Mai 185 mm Jun 45 mm Jul 50 mm Aug 100 mm
 Sep 180 mm Okt 200 mm Nov 150 mm Des 100 mm
 b ≈ 130 mm
 c Apríl og august
 d Janúar og júní

1207 a b



1208 2008: $\approx 6,6$ m/s 2009: $\approx 6,3$ m/s

1209 a



b 2008: $\approx 6,7^\circ$ 2009: $\approx 7,4^\circ$

1210 t $\approx 12\,764$ km $\approx 12\,800$ km r $\approx 6\,378$ km $\approx 6\,400$ km

1211 R $\approx 1,1 \cdot 10^{12}$ km³

1212 a $5,52 \cdot 10^9$ tons b $6,1 \cdot 10^{21}$ tons

1213 a 19 891 km b $\approx 0,3\%$

1214 a $\approx 5,1 \cdot 10^8$ km² b $\approx 3,6 \cdot 10^8$ km²

1215 $\approx 1,3$ mia km³

1216 a $\sqrt[3]{1\,319\,526\,651\text{km}^3} = 1097\text{km}$

b Ja - grundflatin á terninginum er uml 1,2 mió km²

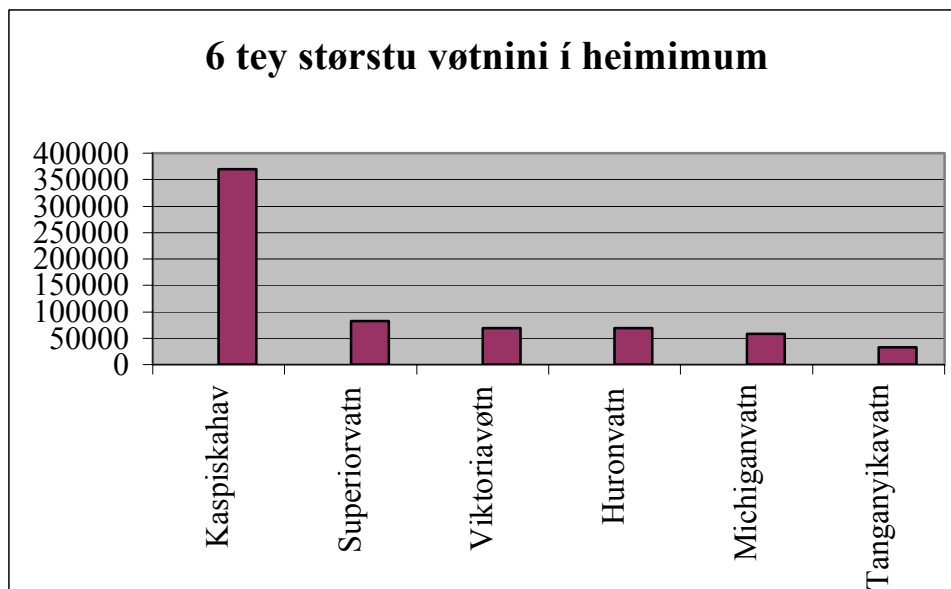
1217 $\approx 1,03\text{ tons} \cdot 10^9\text{ t}$

1218 a 36 050 000 t

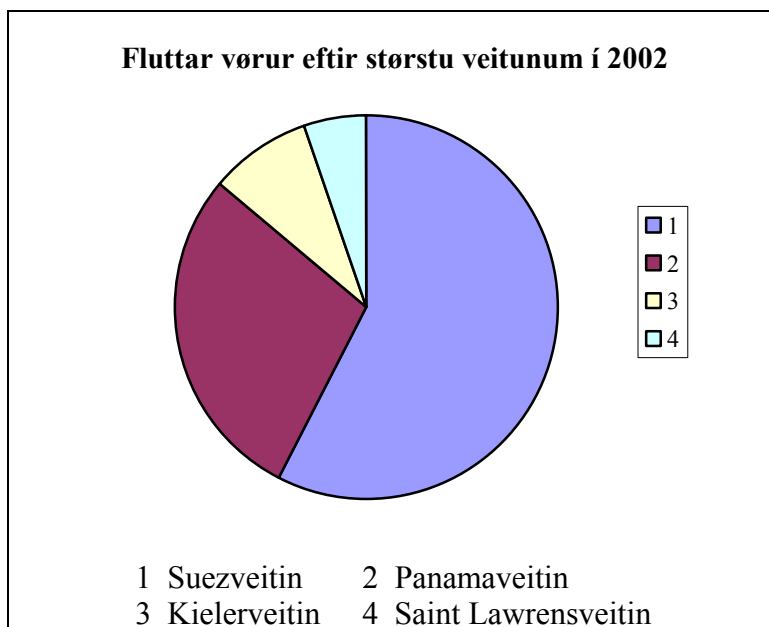
b 28 119 000 t

1219 a 1 km³ : 0,006 kg = 8155 kg

1220



1221



1222 2,8%

1223 Uml 17,9%

1224 $2,478 \cdot 10^9\text{ m}^3$

1225 $\approx 6,5\%$

1226 $\approx 5,1\%$

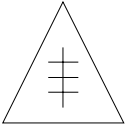
1227 $7000 \cdot 900 \cdot 20 \text{ m}^3 = 126\,000\,000 \text{ m}^3 = 126 \text{ mió m}^3$

1228 $\approx 7\,771\,840 \text{ m}^3 \approx 7,8 \text{ mió m}^3$

1229 $7000 \cdot 900 \cdot 900 \text{ litrar} = 5\,670\,000\,000 \text{ litrar} \approx 5,7 \cdot 10^9 \text{ litrar}$

1230 $\approx 1,23 \text{ m}$

13 Høvuðbrýggj

- 1 6 kettur og 8 fuglar
- 2 28
- 3 
- 4 Í vestan
- 5 Fuglurin hevur flogið 105 km
- 6 $0,744 \text{ m}^3$
- 7 6 hvítar kúlur
- 8 48, 49, 50, 51, 52, 53 og 54
- 9 65, 67 og 69
- 10 36 333
- 11 23 m
- 12 Tey eru eins høg
- 13 8 cm
- 14 96
- 15 a Tann, sum koyrsi 100 km/t. b 10 sekund
- 16 a 5 kvadrat b ---
- 17 $2 \cdot 17 + 2 \cdot 8 = 50$
- 18 180 000 kr
- 19 48 síður
- 20 6 skurðir
- 21 1
- 22 3 og 6
- 23 900
- 24 Tríggir tríkantar
- 25 0,8
- 26 $\frac{1}{16}$
- 27 40 cm^2

