



SKALI

VERKEFNAHEFTI

STÆRÐFRÆÐI FYRIR UNGLINGASTIG

Námshagastofnun
8665

Efnisyfirlit

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Skali 1A
Verkefnahefti

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Heiti á frummálinu: Maximum 8 Kopiorginaler

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Námshagnastofnun

Kópavogi

Umbrot: Námsgagnastofnun

Verkefnahefti

1. kafli

Hugareikningsdómínó

| | | |
|-------------------------------|-------------------------------------|----------------------------|
| 34 Hver á $18 + 52$? | 70 Hver á $112 - 60$? | 52 Hver á $52 : 13$? |
| 4 Hver á $64 - 46$? | 18 Hver á $24 \cdot 5$? | 120 Hver á $67 + 19$? |
| 86 Hver á $43 + 119$? | 162 Hver á $150 : 30$? | 5 Hver á $8 \cdot 60$? |
| 480 Hver á $92 - 77$? | 15 Hver á $17 \cdot 3$? | 51 Hver á $116 : 4$? |
| 29 Hver á $64 \cdot 4$? | 256 Hver á $360 : 4$? | 90 Hver á $45 + 118$? |
| 163 Hver á $406 - 17$? | 389 Hver á $3 \cdot 3 \cdot 3$? | 27 Hver á $504 - 117$? |
| 387 Hver á $12 \cdot 12$? | 144 Hver á $63 : 9$? | 7 Hver á $57 + 39$? |
| 96 Hver á $45 + 87$? | 132 Hver á $6 \cdot 50$? | 300 Hver á $98 - 89$? |
| 9 Hver á $5 \cdot 25$? | 125 Hver á $151 - 82$? | 69 Hver á $68 + 17$? |
| 85 Hver á $64 : 4$? | 16 Hver á $27 : 27$? | 1 Hver á $15 \cdot 7$? |

Hugareikningsdómínó

| | | |
|-------------------------------|------------------------------|-------------------------------|
| 105 Hver á $215 + 98$? | 313 Hver á $6 \cdot 12$? | 72 Hver á $19 + 17 - 36$? |
| 0 Hver á $42 - 36$? | 6 Hver á $3 \cdot 18$? | 54 Hver á $102 - 54$? |
| 48 Hver á $65 : 5$? | 13 Hver á $416 - 129$? | 287 Hver á $280 : 7$? |
| 40 Hver á $47 - 19$? | 28 Hver á $100 : 5$? | 20 Hver á $56 + 127$? |
| 183 Hver á $810 : 3$? | 270 Hver á $235 : 5$? | 47 Hver á $652 - 380$? |
| 272 Hver á $19 \cdot 5$? | 95 Hver á $712 - 115$? | 597 Hver á $34 \cdot 3$? |
| 102 Hver á $36 \cdot 98$? | 134 Hver á $12 \cdot 5$? | 60 Hver á $77 - 22$? |
| 55 Hver á $96 - 19$? | 77 Hver á $416 + 85$? | 501 Hver á $704 : 2$? |
| 352 Hver á $87 + 17$? | 104 Hver á $7 + 8 + 9$? | 24 Hver á $71 - 24$? |
| 47 Hver á $32 \cdot 9$? | 288 Hver á $316 + 88$? | 404 Hver á $63 - 29$? |

Margföldunartafla

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|----|----|----|----|----|----|----|----|----|----|-----|
| 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 2 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| 3 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 |
| 4 | 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 | 40 |
| 5 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 |
| 6 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 |
| 7 | 7 | 14 | 21 | 28 | 35 | 42 | 49 | 56 | 63 | 70 |
| 8 | 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 | 80 |
| 9 | 9 | 18 | 27 | 36 | 45 | 54 | 63 | 72 | 81 | 90 |
| 10 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

Hundraðtafla

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

Talnaspjöld 1-40 og 1-60

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |

1.1.5

Margföldunarreitir

| | | | | | |
|----|---|----|----|----|-----|
| . | 3 | 4 | | 9 | |
| | 6 | | | | |
| -7 | | | 14 | | |
| 4 | | | | | -20 |
| | | | | -9 | |
| | | 24 | | | |

| | | | | | |
|----|-----|----|----|----|----|
| . | | | 12 | -8 | 7 |
| -3 | | -6 | | | |
| | -18 | | 36 | | |
| -4 | | -8 | | | |
| | | | | | 63 |
| | 42 | | | 56 | |

| | | | | | |
|---|-----|----|-----|----|-----|
| . | | | | | |
| | 28 | | | -4 | |
| 9 | | | | | 27 |
| | -14 | | -10 | 2 | |
| | | 10 | | | 15 |
| | | | -30 | | -18 |

| | | | | | |
|---|--|--|--|--|--|
| . | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Heiti tugvelda

| Tala | Sætiskerfi á Norðurlöndum og víðar í Evrópu | Sætiskerfi í Bandaríkjum Norður-Ameríku |
|--------------------|---|---|
| $10^2 = 100$ | hundrað | hundred |
| $10^3 = 1000$ | þúsund | thousand |
| $10^6 = 1000\ 000$ | milljón | million |
| 10^9 | milljarður | billion |
| 10^{12} | billjón | trillion |
| 10^{15} | billjarður | quadrillion |
| 10^{18} | trilljón | qvintillion |
| 10^{21} | trilljarður | sextillion |
| 10^{24} | kvaðrilljón | septillion |
| 10^{27} | kvaðrilljarður | octillion |
| 10^{30} | kvintilljón | nonillion |

Tugveldadómínó

| | | | | | |
|----------------|-----------|----------------|--------------------|----------------|-----------|
| 10^6 | 1000 | 10^3 | 10^{18} | trilljón | 1 |
| 10^0 | hundrað | 10^2 | 10^5 | hundrað þúsund | 10^{10} |
| 10 000 000 000 | 10^7 | tíu milljónir | 10 000 000 | 10^8 | 10^9 |
| milljarður | 10^{12} | billjón | 10^4 | tíu þúsund | 10^1 |
| 10 | 10^{10} | tíu milljarðar | 100 000 000 000 | 10^{11} | 1 000 000 |

Talnaspiöld fyrir spilið „Fjórir í röð“

| | | | | | |
|-----|-----|------|-----|------|-----|
| 400 | -36 | -144 | 72 | -225 | 32 |
| 8 | 128 | 9 | -64 | 144 | -25 |
| 64 | 25 | 4 | 9 | -1 | 4 |
| 100 | -16 | -32 | 16 | 28 | 200 |
| -72 | -9 | -16 | -8 | -100 | -4 |
| -4 | -81 | 225 | 36 | -9 | -36 |

| | | | | | |
|----|----|----|----|----|-----|
| 9 | 24 | 0 | 7 | 12 | 16 |
| 5 | 15 | 4 | 10 | -3 | -1 |
| 20 | -8 | 1 | 26 | 7 | -13 |
| 0 | 21 | 24 | -5 | 5 | -7 |
| 51 | 13 | 17 | 33 | 29 | -10 |
| 3 | 0 | 34 | -5 | 8 | 12 |

Þraut með stærðfræðiorðum

| | | | | | | | | | |
|--------|---|---|---|--------|---|---|---|--------|---------|
| 1 T | 2 | 3 | 4 | 5 S | 6 | 7 | 8 | 9 U | 10 R |
| | | | | j | q | | | | |
| r | | p | i | | | l | | | c |
| | | | | | | e | | | |
| h | | f | | | a | | b | | |
| | | | | | | | | | |
| d | | | | k | | | t | m | |
| | | | | | | | v | | |
| | | | | | | | | | o |
| | | | | | | | | n | |
| | | | | | | | | u | g |
| | | | | | | | | s | |
| | | | | | | | | | |

Skrifaðu rétt orð í reitina. Fyrst þarftu að finna hvaða orð á að vera í tölusettu reitunum í efstu línunni. Síðan skrifar þú eitt orð í reitina undir hverjum tölustaf.

Í númeruðu reitunum: Það sem þú notar þegar þú reiknar dæmi. Orðið er í eintölu.

1. Tala sem endar á 0.
2. Oft notað til að sýna hvar tala á að vera á talnalínu.
3. Tala í samlagningardæmi.
4. Segir til um hve langt er kringum form eða hlut.
5. Tala sem þarf að finna ef leggja á saman ósamnefnd brot.
6. Heiti á veldum eins og 10^2 , 10^3 , 10^4 o.s.fr
7. Reikningur þar sem bókstafir eru notaðir.
8. Tala sem aðeins er hægt að deila í með 1 og tölunni sjálfri.
9. Heiti á punktinum (0, 0) í hnitakerfinu.
10. Tvívítt form með öll hornin rétt.

Fylltu í reitina hér á eftir með réttum bókstöfum. Athugaðu hvort þú ert sammála því sem stendur í reitunum.

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| p | a | b | c | d | e | f | g | h | i | j | k |
|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| o | l | t | í | u | v | m | n | o | p | q | r | s | ! |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

Hver er heila talan?

| | |
|---|--|
| <p>A1</p> <p>Talan er einum stærrri en ákveðin frumtala.</p> | <p>A2</p> <p>Töluna má skrifa sem veldi þar sem talan 2 er veldisstofn.</p> |
| <p>A3</p> <p>Talan er stærrri en 10 og minni en 50.</p> | <p>A4</p> <p>Ef þú deilir í töluna með 6 færðu 2 afgang.</p> |

Hver er heila talan?

| | |
|--|---|
| <p>B1</p> <p>Talan er minni en 100.</p> | <p>B2</p> <p>Ef þú deilir í töluna með 5 færðu 1 afgang.</p> |
| <p>B3</p> <p>Töluna má skrifa sem veldi þar sem talan 3 er veldisstofn.</p> | <p>B4</p> <p>Talan er ferningstala.</p> |

Hver er heila talan?

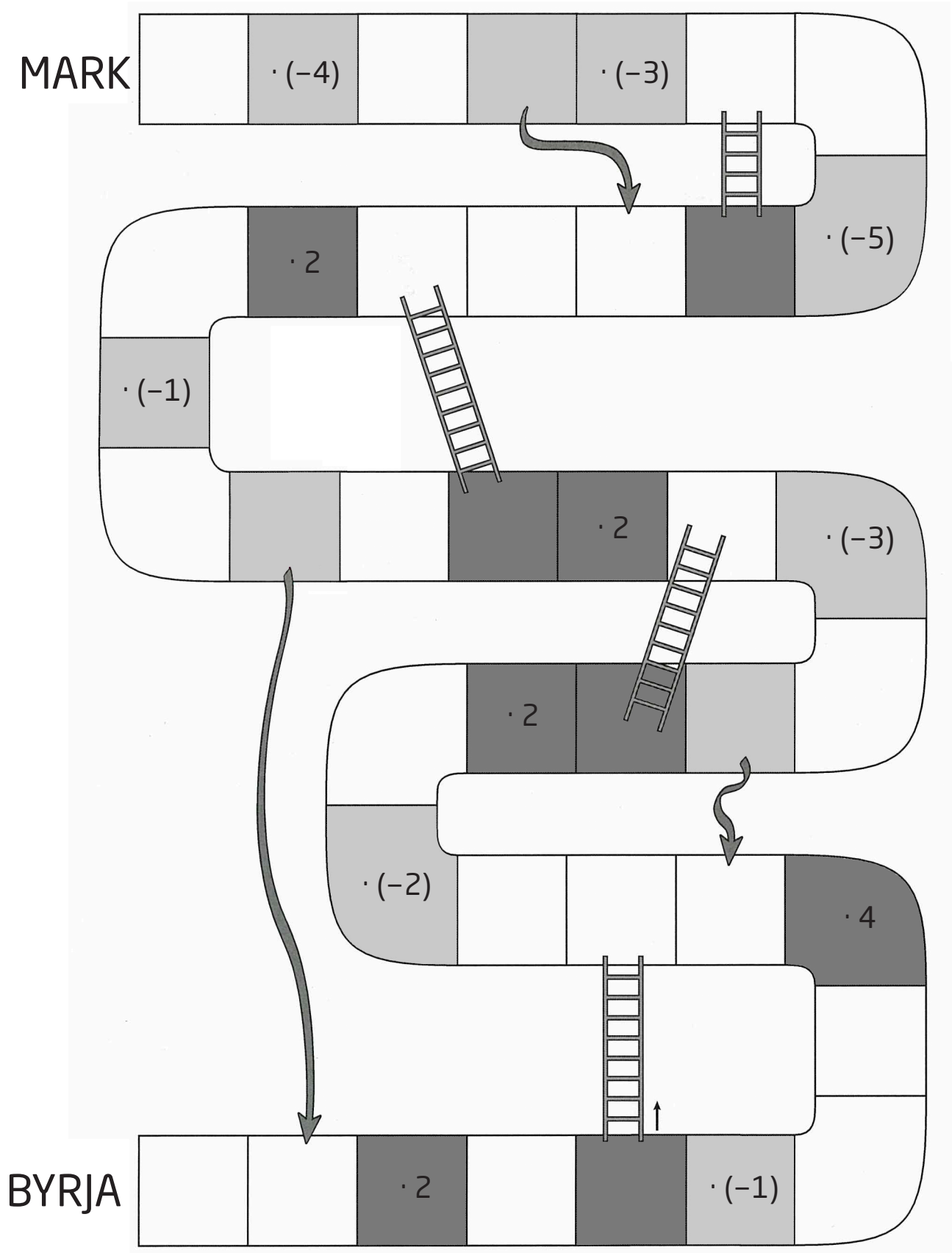
| | |
|---|---|
| <p>C1</p> <p>Talan er einum minni en ákveðin ferningstala.</p> | <p>C2</p> <p>Talan 7 er þáttur í tölunni.</p> |
| <p>C3</p> <p>Talan er stærr en 50.</p> | <p>C4</p> <p>Í tölunni eru tveir tölustafir.</p> |

Hver er heila talan?

| | |
|---|--|
| <p>D1</p> <p>Talan er jöfn mismuninum milli tveggja ferningstalna.</p> | <p>D2</p> <p>Talan er tveggja stafa og bversumma hennar er 12.</p> |
| <p>D3</p> <p>Ef þú deilir í töluna með 3 færðu svar sem er frumtala.</p> | <p>D4</p> <p>Ef þú bætir 1 við er hægt að deila í svarið með 5.</p> |

1.1.11

Stigar og örvar



Verkefnahefti

2. kafli

1.2.1

Hornameistarinn

| Horn nr. | Ég held að hornið sé | Hornið er í raun | Mismunnur | Stig |
|--------------|----------------------|------------------|-----------|------|
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |
| Stigasumman: | | | | |

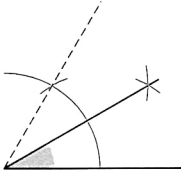
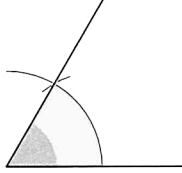
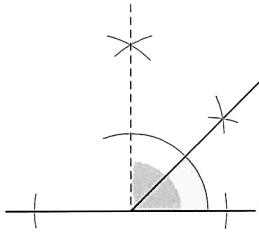
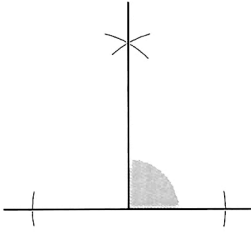
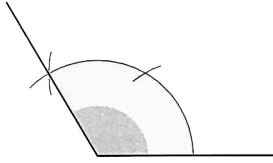
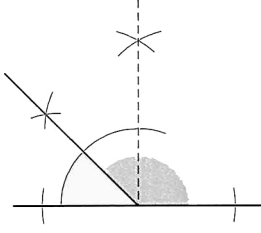
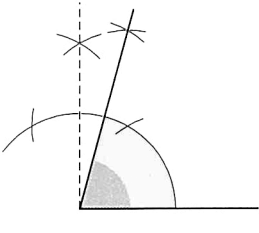
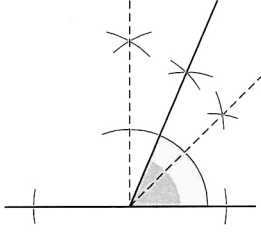
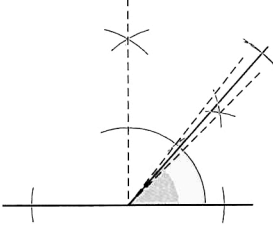
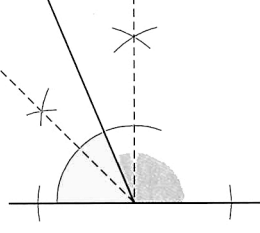
Orðapúsl

Notaðu orðin í rammanum. Settu rétt orð í eyðurnar hér á eftir.

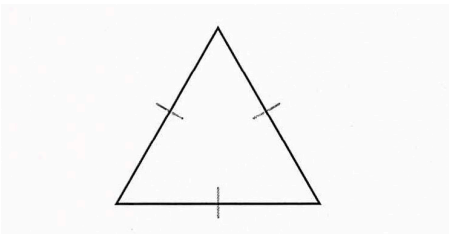
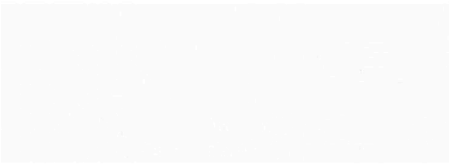
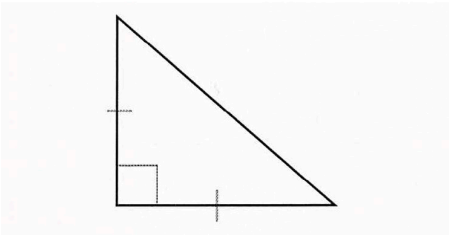
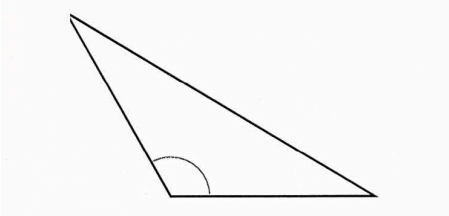
- | | | |
|---------------|-------------|---------------|
| • endapunktur | • lína | • hvasst horn |
| • lagshorn | • grannhorn | • gleitt horn |
| • ferill | • punktur | • oddpunktur |
| • beint horn | • rétt horn | • topphorn |

- 1 _____ er nákvæmlega 90° .
- 2 _____ eru alltaf jafn stór.
- 3 _____ eru alltaf 180° samtals.
- 4 Við getum aðeins teiknað eina _____ gegnum tvo punkta.
- 5 _____ hefur enga lengd og enga breidd.
- 6 _____ er minna en 90° .
- 7 Háflína hefur engan _____.
- 8 Báðir armar horns byrja í sama _____.
- 9 _____ er 180° .
- 10 _____ getur verið boginn.
- 11 _____ er stærra en 90° og minna en 180° .
- 12 Summa tveggja _____ er alltaf 90° .

Hornaminnispil

| | | | |
|-------|---|--------|---|
| 30° |  | 60° |  |
| 45° |  | 90° |  |
| 120° |  | 135° |  |
| 75° |  | 67,5° |  |
| 52,5° |  | 112,5° |  |

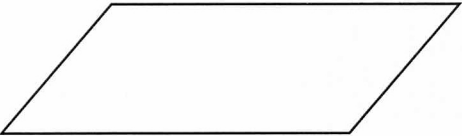

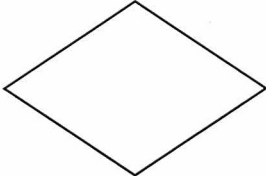
Samvinna um þríhyrninga

| Þríhyrningur | Heiti þríhyrnings |
|---|---|
|  | Jafnarma þríhyrningur |
|  | Rétthyrndur |
|  | Hvasshyrndur þríhyrningur (öll horn hvöss) |
|  | |

Eiginleikar og einkenni þríhyrninga

| Einkenni þríhyrninga | | | | | | | |
|----------------------|-------------|--------------|--------------|--------------|------------------|------------------|----------------------|
| Þríhyrningar | 1 rétt horn | 1 hvass horn | 2 hvöss horn | 3 hvöss horn | 2 jafn stór horn | 3 jafn stór horn | 2 jafn langar hliðar |
| Þríhyrningur | | | | | | | |
| Réttíhyrningur | | | | | | | |
| Hvassíhyrningur | | | | | | | |
| Gleiðíhyrningur | | | | | | | |
| Jafnhliða | | | | | | | |
| Jafnarma | | | | | | | |
| Óreglulegur | | | | | | | |




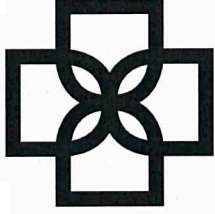
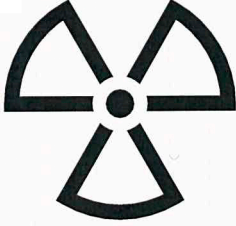

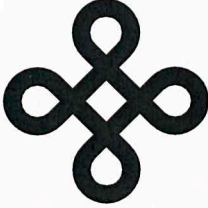
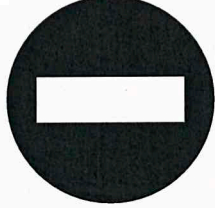







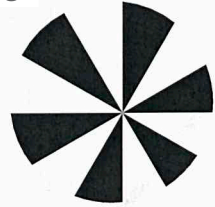
Samvinna um ferhyrninga

| Ferhyrningur | Heiti ferhyrnings |
|---|-------------------|
| | Trapisa |
|  | |
| | Feringur |
|  | |
|  | |

Að flokka myndir

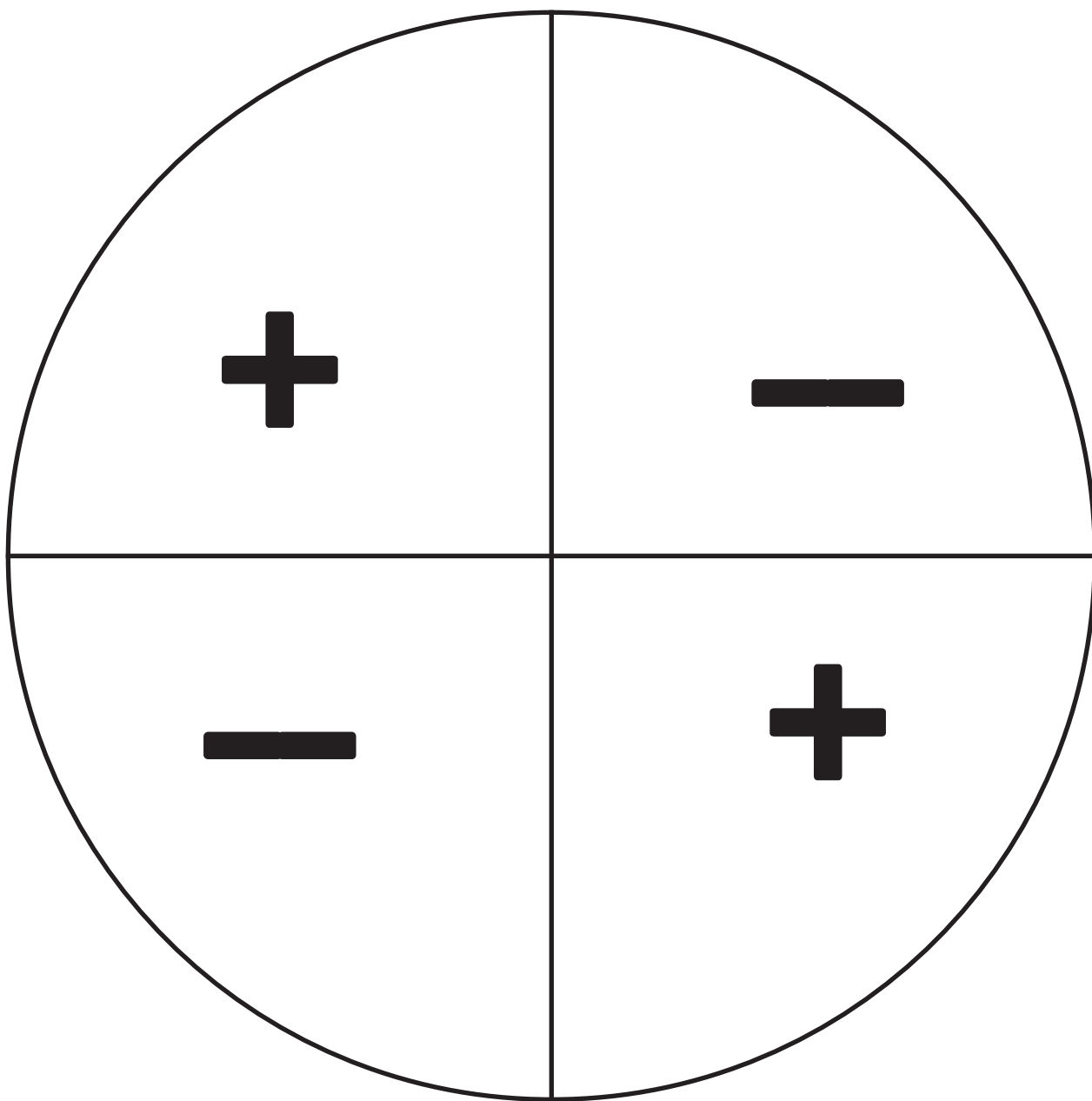
| | Ekki snúningssamhverfa | Snúningssamhverfa |
|-----------------------------|------------------------|-------------------|
| Enginn spegilás | | |
| Einn spegilás | | |
| Tveir spegilásar | | |
| Þrjú spegilásar | | |
| Fjórir spegilásar | | |
| Fleiri en fjórir spegilásar | | |

Að flokka myndir

| | | | |
|---|---|--|---|
| 1  | 2  | 3  | 4  |
| 5  | 6  | 7  | 8  |
| 9  | 10  | 11  | 12  |
| 13  | 14  | 15  | 16  |

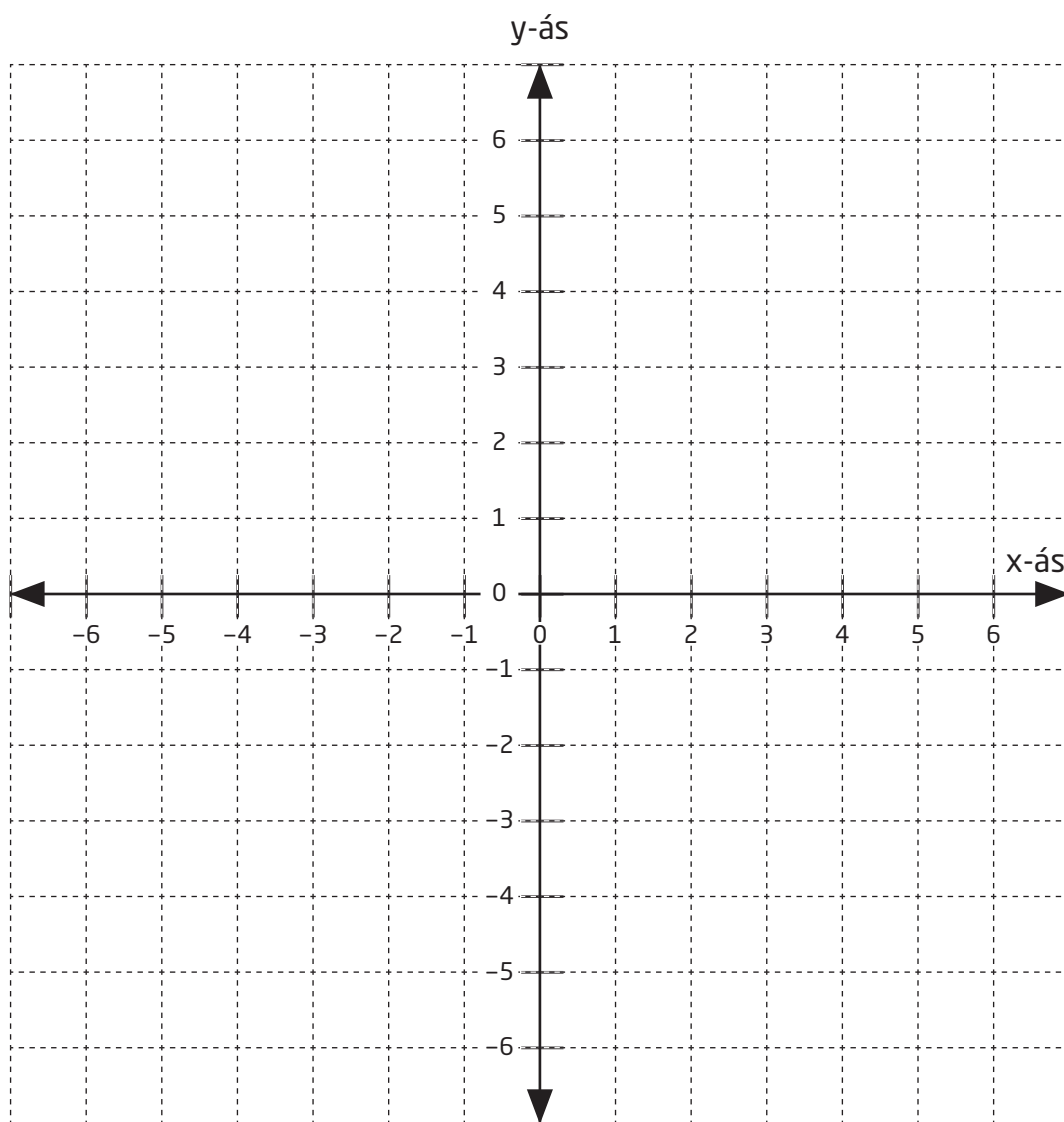
1.2.8

Spilaskífa + og -



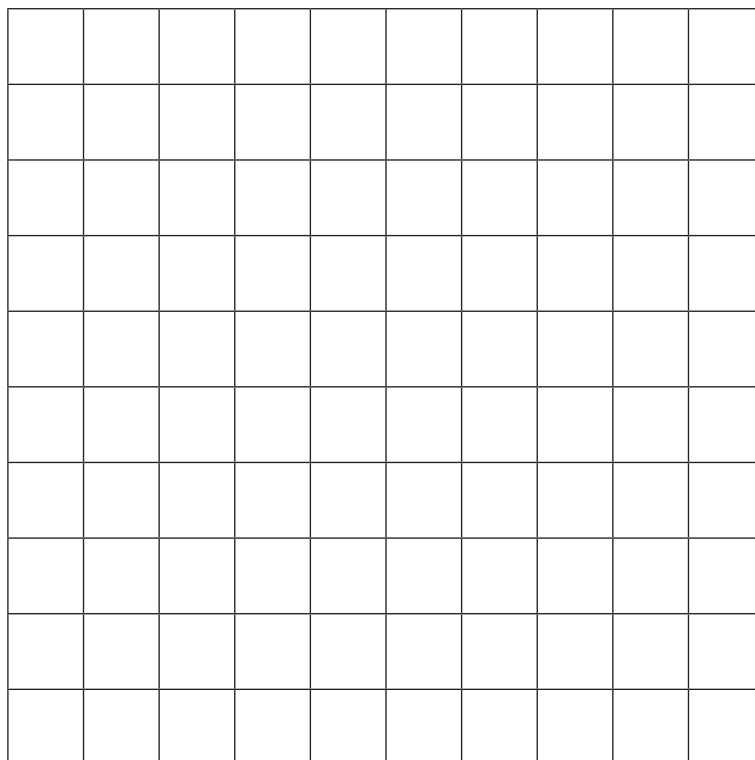
1.2.9

Hnitakerfi frá -6 til 6



1.2.10

Rúðunet 10 x 10

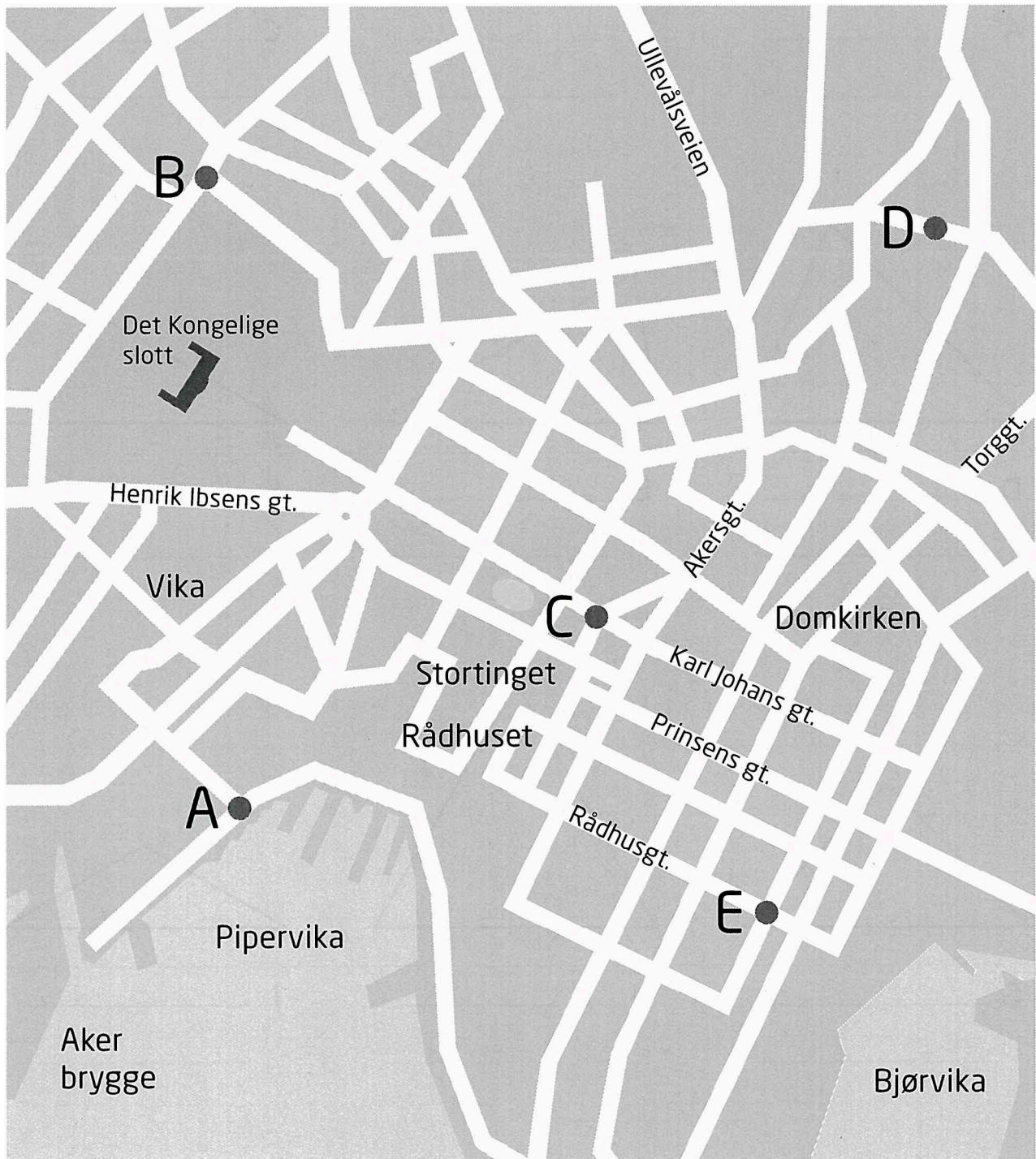


1.2.11

Kort yfir borgina

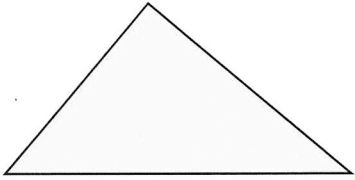
Kortið sýnir einfalda útgáfu af miðborg Ósló. Finndu stystu leið milli staðanna. Aðeins má fara eftir götunum.

Teiknaðu leiðirnar: A – D B – E C – D A – C
 A – B B – D A – E D – E

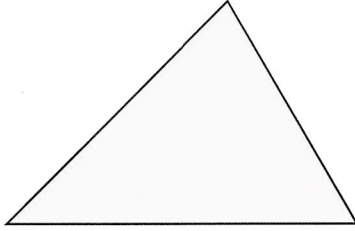


1.2.12

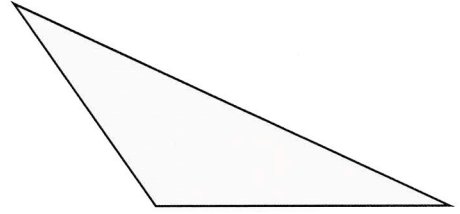
Margs konar þríhyrningar



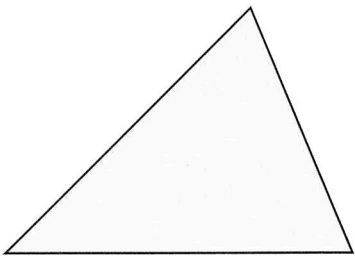
A _____



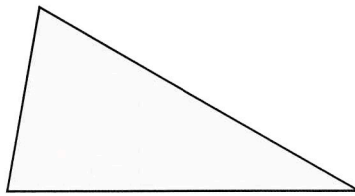
B _____



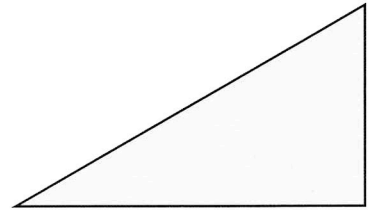
C _____



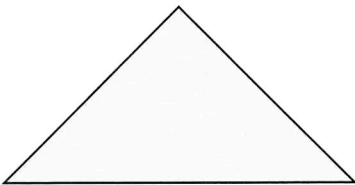
D _____



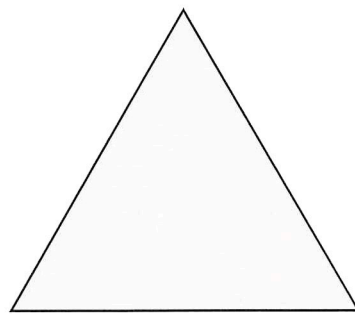
E _____



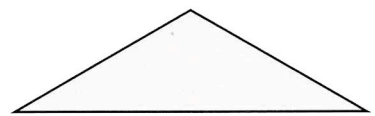
F _____



G _____



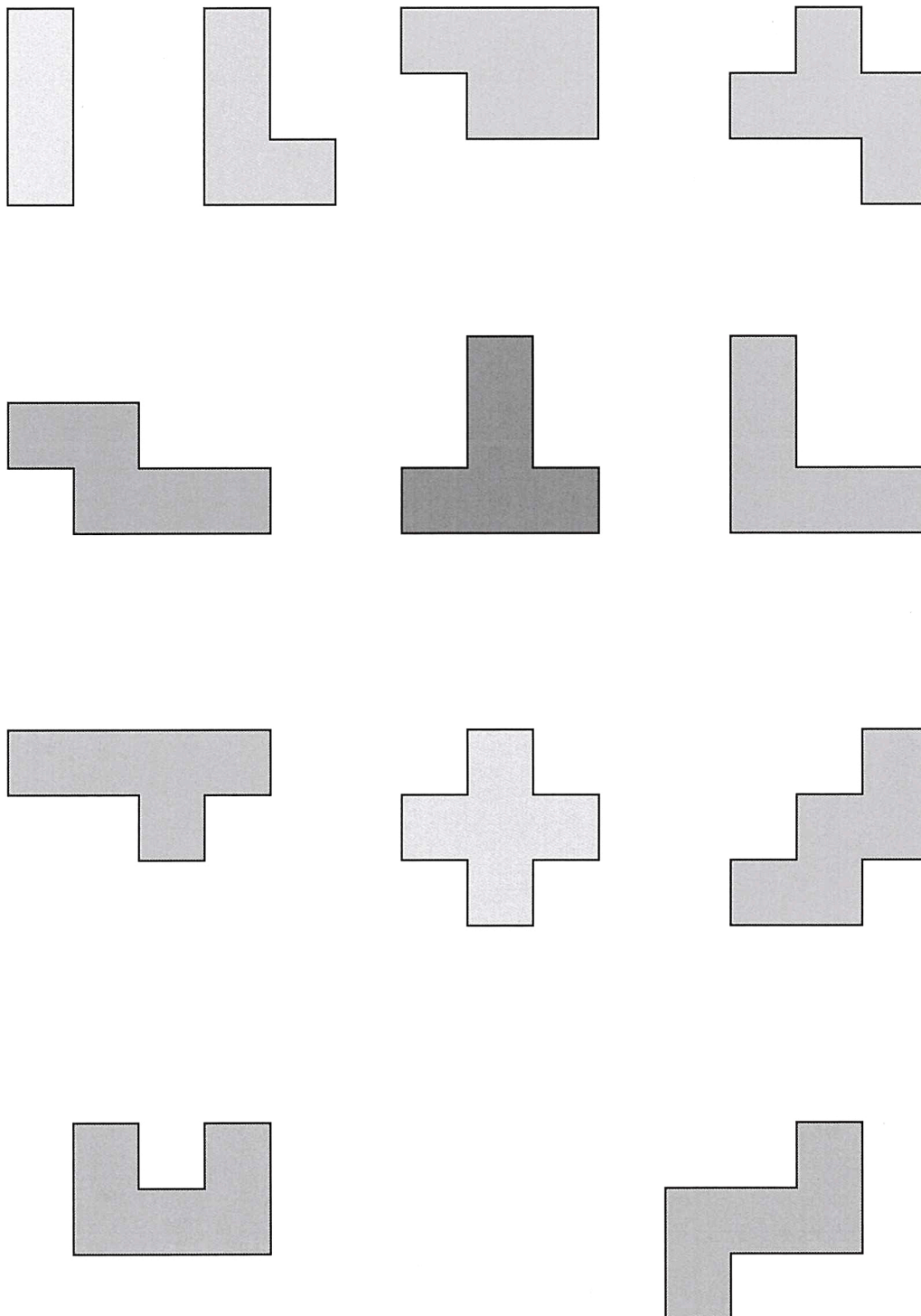
H _____



I _____

1.2.13

Fimmínur

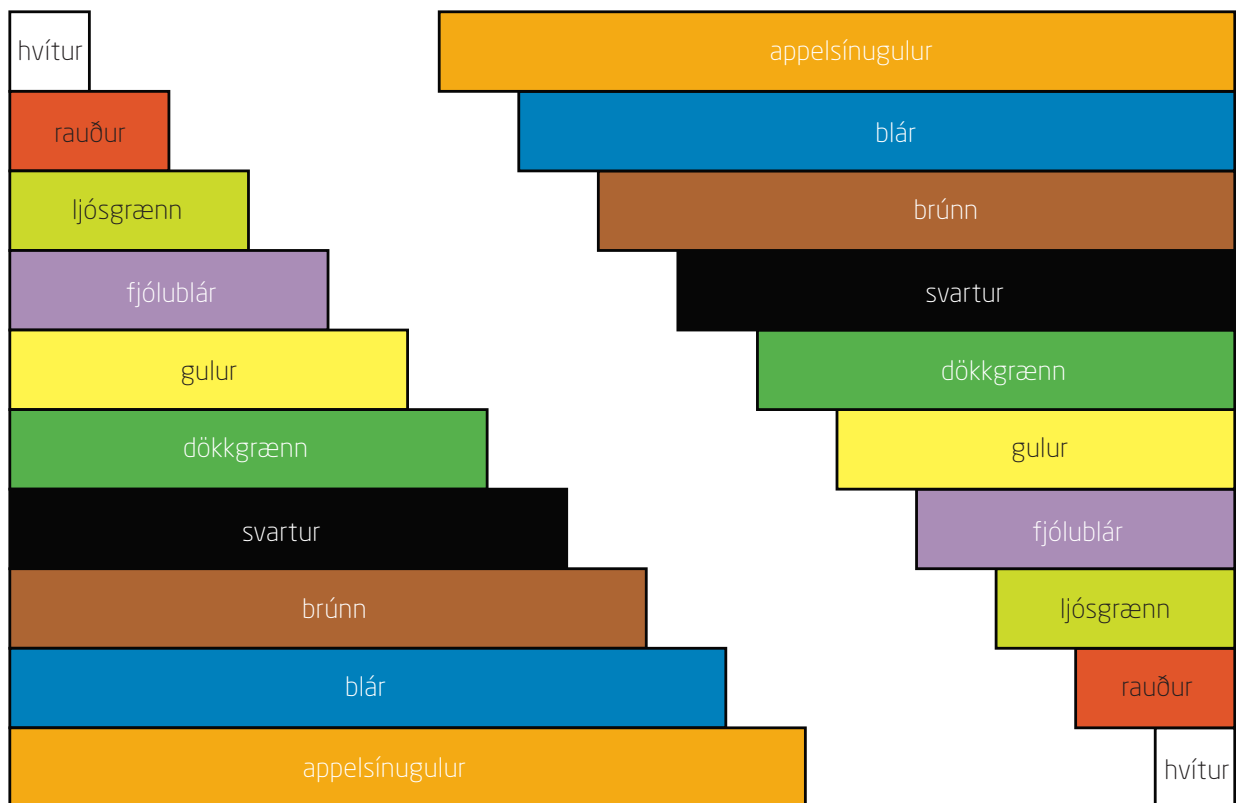
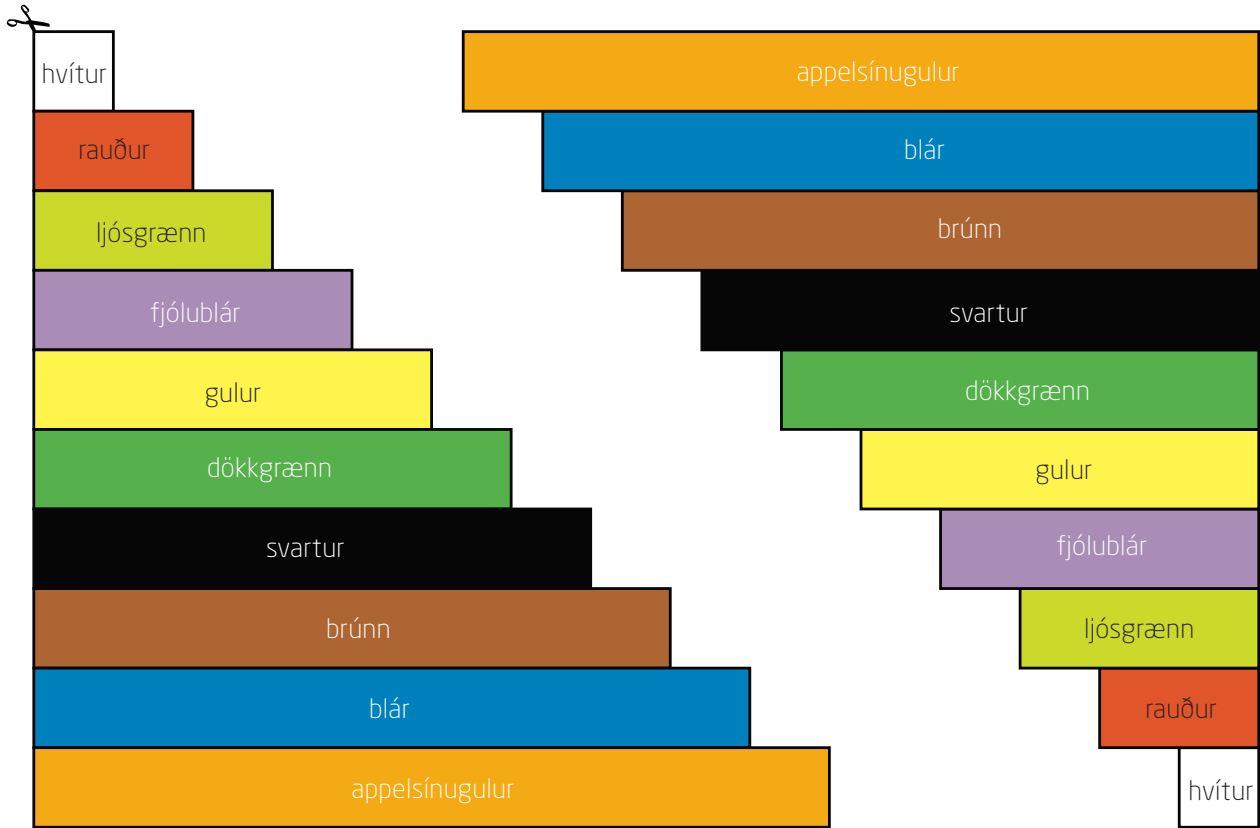


Verkefnahefti

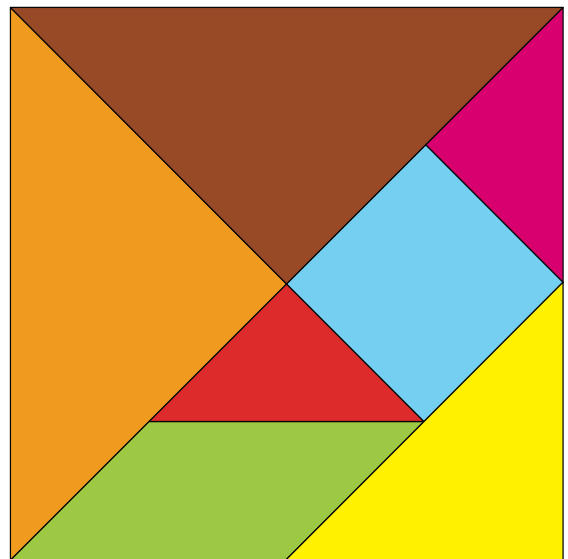
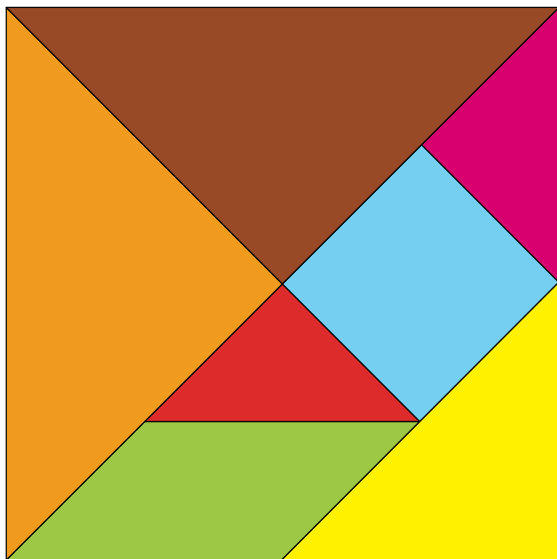
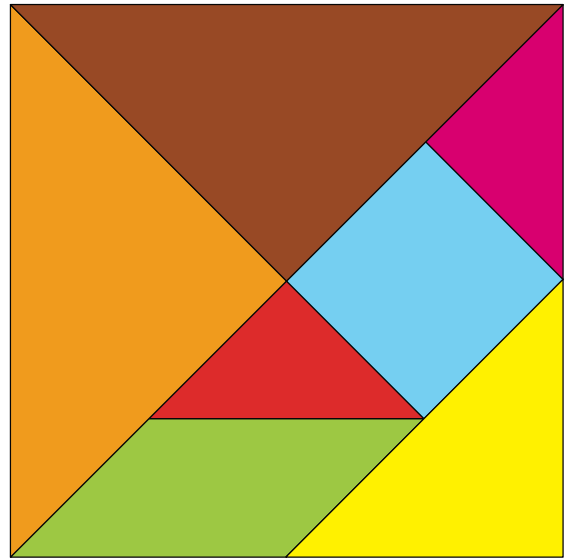
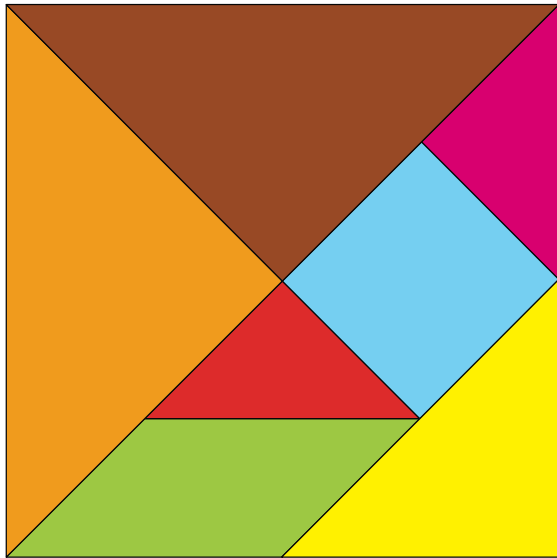
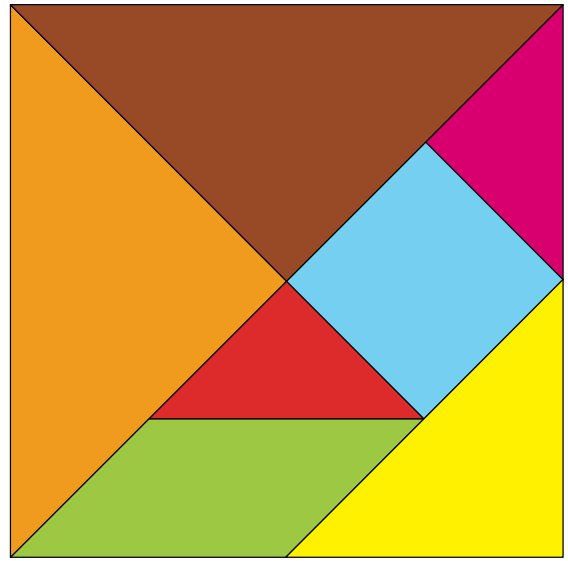
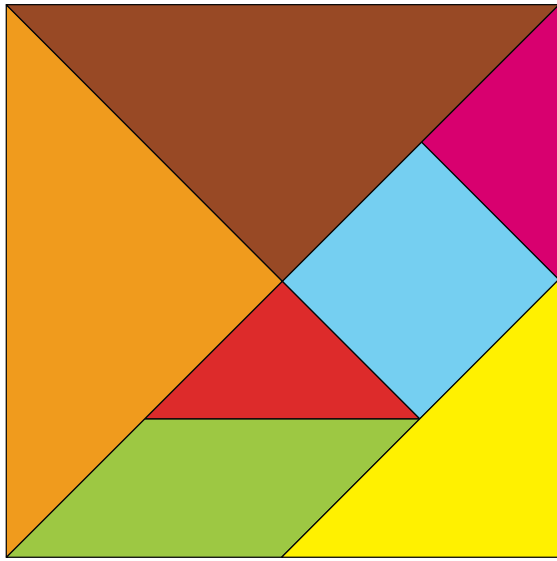
3. kafli

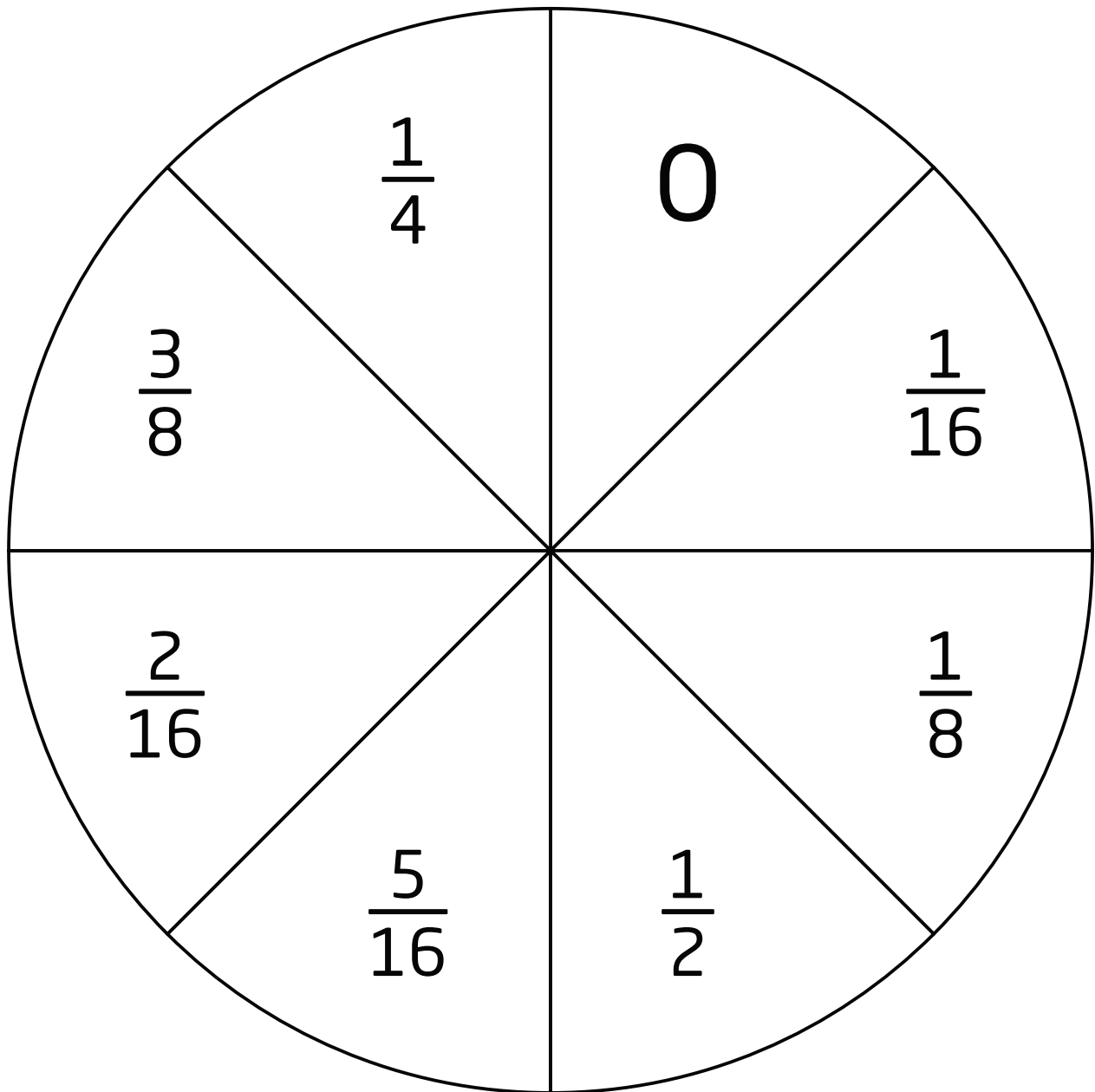
1.3.1

Cuisinaire-kubbar



Tangram



Spilaskífa fyrir tangramspil


1.3.4

Brotaminnispil

| | | | |
|----------------|----------------|----------------|----------------|
| $2\frac{2}{5}$ | $\frac{12}{5}$ | $2\frac{3}{5}$ | $\frac{13}{5}$ |
| $1\frac{2}{7}$ | $1\frac{4}{7}$ | $\frac{9}{7}$ | $\frac{11}{7}$ |
| $1\frac{1}{5}$ | $\frac{6}{5}$ | $1\frac{2}{3}$ | $\frac{5}{3}$ |
| $1\frac{1}{3}$ | $\frac{4}{3}$ | $3\frac{3}{5}$ | $\frac{18}{5}$ |

Brotaspjöld fyrir óeiginleg brot og blandnar tölur

| | | | |
|----------------|----------------|----------------|----------------|
| $\frac{3}{2}$ | $1\frac{1}{2}$ | $\frac{9}{4}$ | $2\frac{1}{4}$ |
| $\frac{9}{2}$ | $4\frac{1}{2}$ | $\frac{9}{3}$ | 3 |
| $\frac{5}{4}$ | $1\frac{1}{4}$ | $\frac{7}{4}$ | $1\frac{3}{4}$ |
| $\frac{7}{3}$ | $2\frac{1}{3}$ | $\frac{9}{5}$ | $1\frac{4}{5}$ |
| $\frac{8}{2}$ | 4 | $\frac{5}{3}$ | $1\frac{2}{3}$ |
| $\frac{10}{4}$ | $2\frac{1}{2}$ | $\frac{7}{2}$ | $3\frac{1}{2}$ |
| $\frac{13}{2}$ | $6\frac{1}{2}$ | $\frac{11}{4}$ | $2\frac{3}{4}$ |

Brotaspilaspjöld fyrir óeiginleg brot og blandnar tölur

| | | | |
|-----------------|----------------|----------------|----------------|
| $\frac{13}{2}$ | $6\frac{1}{2}$ | $\frac{11}{4}$ | $2\frac{3}{4}$ |
| $\frac{19}{5}$ | $3\frac{4}{5}$ | $\frac{16}{5}$ | $3\frac{1}{5}$ |
| $\frac{15}{4}$ | $3\frac{3}{4}$ | $\frac{17}{4}$ | $4\frac{1}{4}$ |
| $\frac{13}{3}$ | $4\frac{1}{3}$ | $\frac{17}{8}$ | $2\frac{1}{8}$ |
| $\frac{18}{12}$ | $1\frac{1}{2}$ | $\frac{16}{3}$ | $5\frac{1}{3}$ |
| $\frac{25}{4}$ | $6\frac{1}{4}$ | $\frac{17}{9}$ | $1\frac{8}{9}$ |

Brotaspilaspjöld fyrir óeiginleg brot og blandnar tölur

| | | | |
|-----------------|-----------------|----------------|----------------|
| $\frac{21}{6}$ | $3\frac{1}{2}$ | $\frac{15}{6}$ | $2\frac{1}{2}$ |
| $\frac{29}{5}$ | $5\frac{4}{5}$ | $\frac{16}{6}$ | $2\frac{2}{3}$ |
| $\frac{30}{8}$ | $3\frac{3}{4}$ | $\frac{34}{8}$ | $4\frac{1}{4}$ |
| $\frac{16}{3}$ | $5\frac{1}{3}$ | $\frac{14}{6}$ | $2\frac{1}{3}$ |
| $\frac{44}{12}$ | $3\frac{2}{3}$ | $\frac{26}{3}$ | $8\frac{2}{3}$ |
| $\frac{50}{4}$ | $12\frac{1}{2}$ | $\frac{19}{9}$ | $2\frac{1}{9}$ |

1.3.6

Brotaspjöld fyrir talnalínuverkefni

| | | |
|---------------|----------------|----------------|
| $\frac{2}{3}$ | $\frac{1}{4}$ | $\frac{3}{4}$ |
| $\frac{2}{5}$ | $\frac{4}{5}$ | $\frac{1}{3}$ |
| $\frac{1}{2}$ | $\frac{3}{5}$ | $\frac{1}{5}$ |
| $\frac{2}{4}$ | $\frac{1}{10}$ | $\frac{3}{10}$ |
| $\frac{2}{8}$ | $\frac{2}{10}$ | $\frac{9}{10}$ |
| | $\frac{5}{6}$ | |

Brotaspjöld

7

| | | | | |
|---------------|---------------|---------------|---------------|---------------|
| $\frac{1}{2}$ | $\frac{2}{2}$ | $\frac{1}{3}$ | $\frac{2}{3}$ | $\frac{3}{3}$ |
| $\frac{1}{4}$ | $\frac{2}{4}$ | $\frac{3}{4}$ | $\frac{4}{4}$ | $\frac{1}{5}$ |
| $\frac{2}{5}$ | $\frac{3}{5}$ | $\frac{4}{5}$ | $\frac{5}{5}$ | $\frac{1}{8}$ |
| $\frac{2}{8}$ | $\frac{3}{8}$ | $\frac{4}{8}$ | $\frac{5}{8}$ | $\frac{6}{8}$ |

Brotaspjöl

7

| | | | | |
|----------------|----------------|-----------------|----------------|----------------|
| $\frac{7}{8}$ | $\frac{8}{8}$ | $\frac{2}{12}$ | $\frac{3}{12}$ | $\frac{4}{12}$ |
| $\frac{6}{12}$ | $\frac{8}{12}$ | $\frac{10}{12}$ | $\frac{1}{10}$ | $\frac{2}{10}$ |
| $\frac{3}{10}$ | $\frac{4}{10}$ | $\frac{5}{10}$ | $\frac{6}{10}$ | $\frac{7}{10}$ |
| $\frac{8}{10}$ | $\frac{9}{10}$ | $\frac{10}{10}$ | $\frac{1}{6}$ | $\frac{5}{6}$ |

Brotarenningar

| | | | | | | | | | | | |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 1 | | | | | | | | | | | |
| $\frac{1}{2}$ | | | | | | $\frac{1}{2}$ | | | | | |
| $\frac{1}{3}$ | | | | $\frac{1}{3}$ | | | | $\frac{1}{3}$ | | | |
| $\frac{1}{4}$ | | | $\frac{1}{4}$ | | | $\frac{1}{4}$ | | | $\frac{1}{4}$ | | |
| $\frac{1}{5}$ | | $\frac{1}{5}$ | | $\frac{1}{5}$ | | $\frac{1}{5}$ | | $\frac{1}{5}$ | | $\frac{1}{5}$ | |
| $\frac{1}{6}$ | | $\frac{1}{6}$ | | $\frac{1}{6}$ | | $\frac{1}{6}$ | | $\frac{1}{6}$ | | $\frac{1}{6}$ | |
| $\frac{1}{7}$ | $\frac{1}{7}$ | | $\frac{1}{7}$ | | $\frac{1}{7}$ | | $\frac{1}{7}$ | | $\frac{1}{7}$ | | $\frac{1}{7}$ |
| $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ |
| $\frac{1}{9}$ | $\frac{1}{9}$ | $\frac{1}{9}$ | $\frac{1}{9}$ | $\frac{1}{9}$ | $\frac{1}{9}$ | $\frac{1}{9}$ | $\frac{1}{9}$ | $\frac{1}{9}$ | $\frac{1}{9}$ | $\frac{1}{9}$ | $\frac{1}{9}$ |
| $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ |
| $\frac{1}{11}$ | $\frac{1}{11}$ | $\frac{1}{11}$ | $\frac{1}{11}$ | $\frac{1}{11}$ | $\frac{1}{11}$ | $\frac{1}{11}$ | $\frac{1}{11}$ | $\frac{1}{11}$ | $\frac{1}{11}$ | $\frac{1}{11}$ | $\frac{1}{11}$ |
| $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ |

Spjöld fyrir brotastyttingarspilið

| | | | | |
|----------------|----------------|----------------|----------------|----------------|
| $\frac{1}{2}$ | $\frac{2}{4}$ | $\frac{3}{6}$ | $\frac{1}{3}$ | $\frac{2}{6}$ |
| $\frac{3}{9}$ | $\frac{1}{4}$ | $\frac{2}{8}$ | $\frac{3}{12}$ | $\frac{1}{5}$ |
| $\frac{2}{10}$ | $\frac{3}{15}$ | $\frac{1}{6}$ | $\frac{2}{12}$ | $\frac{3}{18}$ |
| $\frac{1}{7}$ | $\frac{2}{14}$ | $\frac{3}{21}$ | $\frac{1}{8}$ | $\frac{2}{16}$ |

Spjöld fyrir brotastyttingarspilið

| | | | | |
|----------------|----------------|----------------|----------------|----------------|
| $\frac{3}{24}$ | $\frac{1}{9}$ | $\frac{2}{18}$ | $\frac{3}{27}$ | $\frac{1}{10}$ |
| $\frac{2}{20}$ | $\frac{3}{30}$ | 1 | $\frac{2}{2}$ | $\frac{3}{3}$ |
| | 2 | $\frac{4}{2}$ | $\frac{6}{3}$ | |

Samlagning með almennum brotum

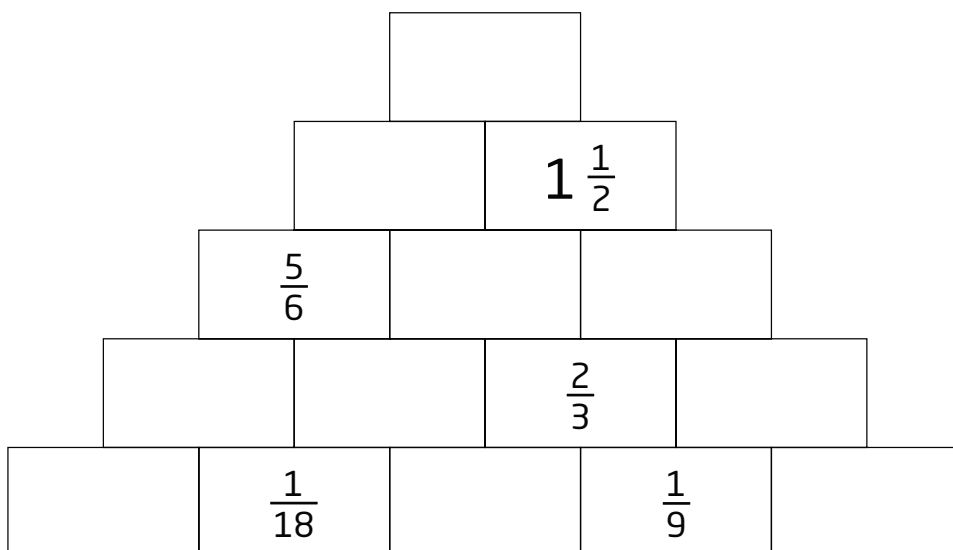
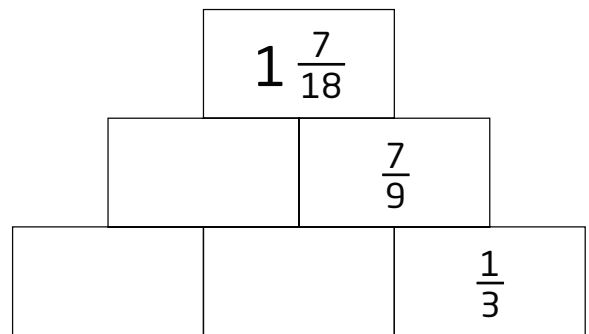
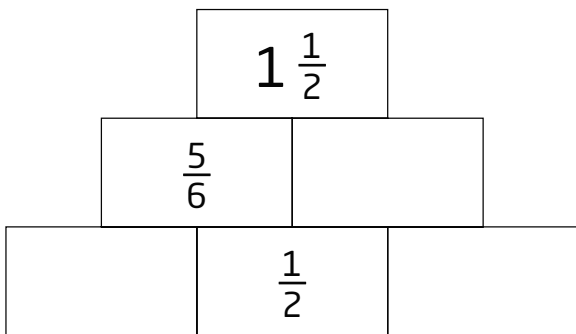
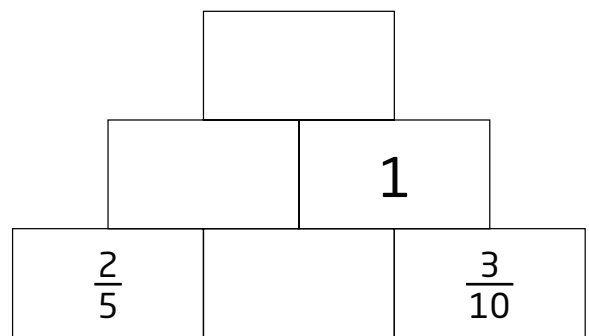
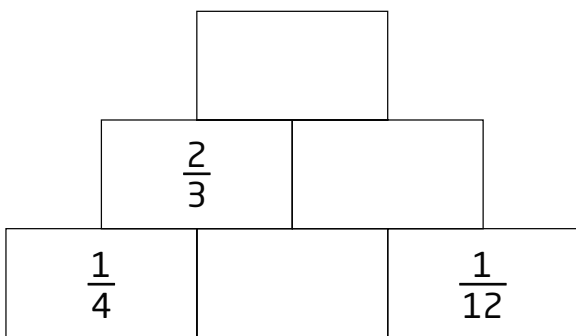
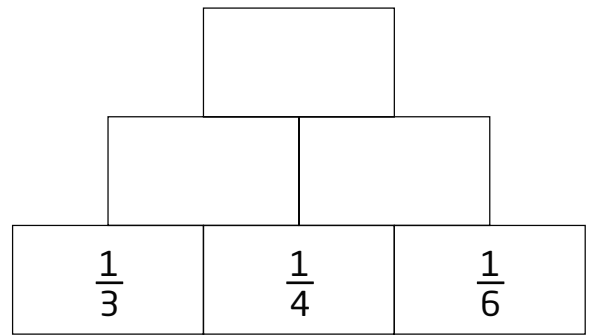
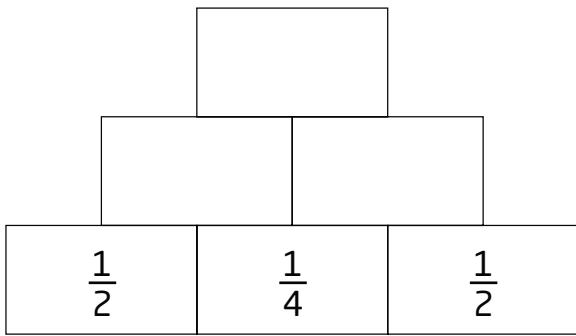
| | | | | | | | | | | | | | | | | | | | |
|---|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <p>↓</p> <table border="1" style="margin: auto;"> <tr> <td style="padding: 5px;">$\frac{3}{4}$</td> <td style="padding: 5px;">$\frac{1}{3}$</td> <td style="padding: 5px;">$\frac{2}{3}$</td> </tr> <tr> <td style="padding: 5px;">$\frac{1}{2}$</td> <td style="padding: 5px;">$\frac{3}{4}$</td> <td style="padding: 5px;">$\frac{1}{2}$</td> </tr> <tr> <td style="padding: 5px;">$\frac{1}{2}$</td> <td style="padding: 5px;">$\frac{1}{2}$</td> <td style="padding: 5px;">$\frac{1}{2}$</td> </tr> </table> | $\frac{3}{4}$ | $\frac{1}{3}$ | $\frac{2}{3}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | $\frac{1}{2}$ | $\frac{1}{2}$ | $\frac{1}{2}$ | $\frac{1}{2}$ | <p>↓</p> <table border="1" style="margin: auto;"> <tr> <td style="padding: 5px;">$\frac{1}{4}$</td> <td style="padding: 5px;">$\frac{1}{2}$</td> <td style="padding: 5px;">$\frac{2}{3}$</td> </tr> <tr> <td style="padding: 5px;">$\frac{2}{3}$</td> <td style="padding: 5px;">$\frac{2}{4}$</td> <td style="padding: 5px;">$\frac{1}{4}$</td> </tr> <tr> <td style="padding: 5px;">$\frac{1}{4}$</td> <td style="padding: 5px;">$\frac{1}{4}$</td> <td style="padding: 5px;">$\frac{1}{2}$</td> </tr> </table> <p style="text-align: center;">Dæmi</p> | $\frac{1}{4}$ | $\frac{1}{2}$ | $\frac{2}{3}$ | $\frac{2}{3}$ | $\frac{2}{4}$ | $\frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{2}$ |
| $\frac{3}{4}$ | $\frac{1}{3}$ | $\frac{2}{3}$ | | | | | | | | | | | | | | | | | |
| $\frac{1}{2}$ | $\frac{3}{4}$ | $\frac{1}{2}$ | | | | | | | | | | | | | | | | | |
| $\frac{1}{2}$ | $\frac{1}{2}$ | $\frac{1}{2}$ | | | | | | | | | | | | | | | | | |
| $\frac{1}{4}$ | $\frac{1}{2}$ | $\frac{2}{3}$ | | | | | | | | | | | | | | | | | |
| $\frac{2}{3}$ | $\frac{2}{4}$ | $\frac{1}{4}$ | | | | | | | | | | | | | | | | | |
| $\frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{2}$ | | | | | | | | | | | | | | | | | |
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| $\frac{3}{4}$ | $\frac{5}{6}$ | $\frac{1}{6}$ | | | | | | | | | | | | | | | | | |
| $\frac{2}{3}$ | $\frac{3}{4}$ | $\frac{2}{3}$ | | | | | | | | | | | | | | | | | |
| 3 | $\frac{2}{3}$ | 3 | | | | | | | | | | | | | | | | | |
| $\frac{1}{3}$ | $\frac{1}{2}$ | $\frac{2}{3}$ | | | | | | | | | | | | | | | | | |
| $\frac{2}{3}$ | $\frac{3}{4}$ | $\frac{1}{4}$ | | | | | | | | | | | | | | | | | |
| 2 | $\frac{1}{4}$ | 2 | | | | | | | | | | | | | | | | | |

Samlagning með almennum brotum

| | | | | | | | | | | | | | | | | | | | |
|--|----------------|----------------|---------------|---------------|---------------|---------------|-----|----------------|-----|---|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|
| <p>↓</p> <table border="1" style="margin: auto;"> <tr> <td style="padding: 5px;">$\frac{3}{8}$</td> <td style="padding: 5px;">$\frac{3}{4}$</td> <td style="padding: 5px;">$\frac{3}{8}$</td> </tr> <tr> <td style="padding: 5px;">$\frac{1}{2}$</td> <td style="padding: 5px;">$\frac{5}{8}$</td> <td style="padding: 5px;">$\frac{1}{4}$</td> </tr> <tr> <td style="padding: 5px;">2</td> <td style="padding: 5px;">2</td> <td style="padding: 5px;">2</td> </tr> </table> | $\frac{3}{8}$ | $\frac{3}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{1}{4}$ | 2 | 2 | 2 | <p>↓</p> <p style="margin-left: 20px;">Dæmi</p> <table border="1" style="margin: auto;"> <tr> <td style="padding: 5px;">$\frac{2}{3}$</td> <td style="padding: 5px;">$\frac{1}{2}$</td> <td style="padding: 5px;">$\frac{2}{3}$</td> </tr> <tr> <td style="padding: 5px;">$\frac{1}{3}$</td> <td style="padding: 5px;">$\frac{3}{4}$</td> <td style="padding: 5px;">$\frac{2}{3}$</td> </tr> <tr> <td style="padding: 5px;">$2\frac{1}{2}$</td> <td style="padding: 5px;">$2\frac{1}{2}$</td> <td style="padding: 5px;">$2\frac{1}{2}$</td> </tr> </table> | $\frac{2}{3}$ | $\frac{1}{2}$ | $\frac{2}{3}$ | $\frac{1}{3}$ | $\frac{3}{4}$ | $\frac{2}{3}$ | $2\frac{1}{2}$ | $2\frac{1}{2}$ | $2\frac{1}{2}$ |
| $\frac{3}{8}$ | $\frac{3}{4}$ | $\frac{3}{8}$ | | | | | | | | | | | | | | | | | |
| $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{1}{4}$ | | | | | | | | | | | | | | | | | |
| 2 | 2 | 2 | | | | | | | | | | | | | | | | | |
| $\frac{2}{3}$ | $\frac{1}{2}$ | $\frac{2}{3}$ | | | | | | | | | | | | | | | | | |
| $\frac{1}{3}$ | $\frac{3}{4}$ | $\frac{2}{3}$ | | | | | | | | | | | | | | | | | |
| $2\frac{1}{2}$ | $2\frac{1}{2}$ | $2\frac{1}{2}$ | | | | | | | | | | | | | | | | | |
| <p>↓</p> <table border="1" style="margin: auto;"> <tr> <td style="padding: 5px;">$\frac{2}{5}$</td> <td style="padding: 5px;">$\frac{1}{3}$</td> <td style="padding: 5px;">$\frac{2}{3}$</td> </tr> <tr> <td style="padding: 5px;">$\frac{1}{5}$</td> <td style="padding: 5px;">$\frac{3}{5}$</td> <td style="padding: 5px;">$\frac{2}{3}$</td> </tr> <tr> <td style="padding: 5px;">2</td> <td style="padding: 5px;">$2\frac{1}{3}$</td> <td style="padding: 5px;">2</td> </tr> </table> | $\frac{2}{5}$ | $\frac{1}{3}$ | $\frac{2}{3}$ | $\frac{1}{5}$ | $\frac{3}{5}$ | $\frac{2}{3}$ | 2 | $2\frac{1}{3}$ | 2 | <p>↓</p> <table border="1" style="margin: auto;"> <tr> <td style="padding: 5px;">$\frac{1}{8}$</td> <td style="padding: 5px;">$\frac{1}{2}$</td> <td style="padding: 5px;">$\frac{3}{8}$</td> </tr> <tr> <td style="padding: 5px;">$\frac{3}{4}$</td> <td style="padding: 5px;">$\frac{3}{8}$</td> <td style="padding: 5px;">$\frac{1}{4}$</td> </tr> <tr> <td style="padding: 5px;">$1\frac{1}{2}$</td> <td style="padding: 5px;">$1\frac{1}{2}$</td> <td style="padding: 5px;">$1\frac{1}{2}$</td> </tr> </table> | $\frac{1}{8}$ | $\frac{1}{2}$ | $\frac{3}{8}$ | $\frac{3}{4}$ | $\frac{3}{8}$ | $\frac{1}{4}$ | $1\frac{1}{2}$ | $1\frac{1}{2}$ | $1\frac{1}{2}$ |
| $\frac{2}{5}$ | $\frac{1}{3}$ | $\frac{2}{3}$ | | | | | | | | | | | | | | | | | |
| $\frac{1}{5}$ | $\frac{3}{5}$ | $\frac{2}{3}$ | | | | | | | | | | | | | | | | | |
| 2 | $2\frac{1}{3}$ | 2 | | | | | | | | | | | | | | | | | |
| $\frac{1}{8}$ | $\frac{1}{2}$ | $\frac{3}{8}$ | | | | | | | | | | | | | | | | | |
| $\frac{3}{4}$ | $\frac{3}{8}$ | $\frac{1}{4}$ | | | | | | | | | | | | | | | | | |
| $1\frac{1}{2}$ | $1\frac{1}{2}$ | $1\frac{1}{2}$ | | | | | | | | | | | | | | | | | |

1.3.11

Brotapíramíðar

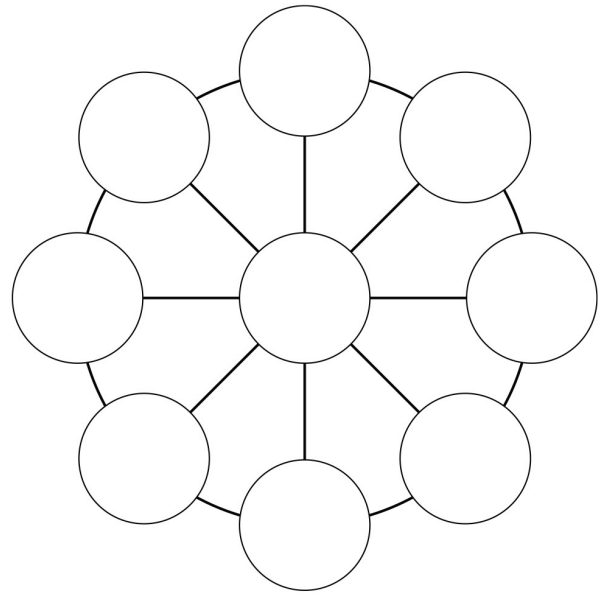


1.3.12

Brotaprautir

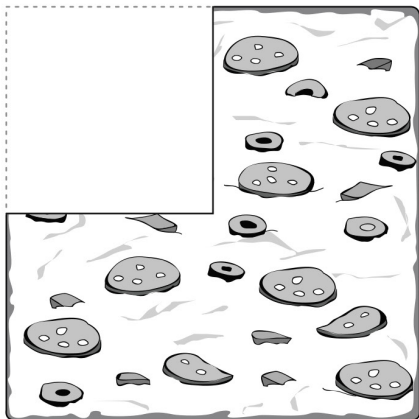
- A** Raðaðu tölunum hér fyrir neðan í hringina þannig að summa hringjanna, sem eru á beinu línunum, verði 9.

| | | | | |
|----------------|----------------|----------------|---------------|----------------|
| $2\frac{1}{4}$ | $1\frac{1}{2}$ | 0 | 3 | $5\frac{1}{4}$ |
| 6 | $4\frac{3}{4}$ | $3\frac{3}{4}$ | $\frac{3}{4}$ | |



- B** Fyrsti þriðjungurinn af veginum frá A-bæ til B-bæjar er malarvegur en með fram síðasta fjórðungnum eru ljósastaurar. Þar á milli er 20 km steiptur vegur án ljósastaura.

Hvað er langt frá A-bæ til B-bæjar? _____



- C** María býður þremur vinum í pitsu. Hún bakar ferningslaga pitsu en uppgötvar skyndilega að Kári stóribróðir hefur hrifsað $\frac{1}{4}$ af pitsunni án þess að spyrja kóng eða prest.

Hjálpaðu Maríu að skipta afgangnum af pitsunni í fjórar jafn stórar sneiðar.

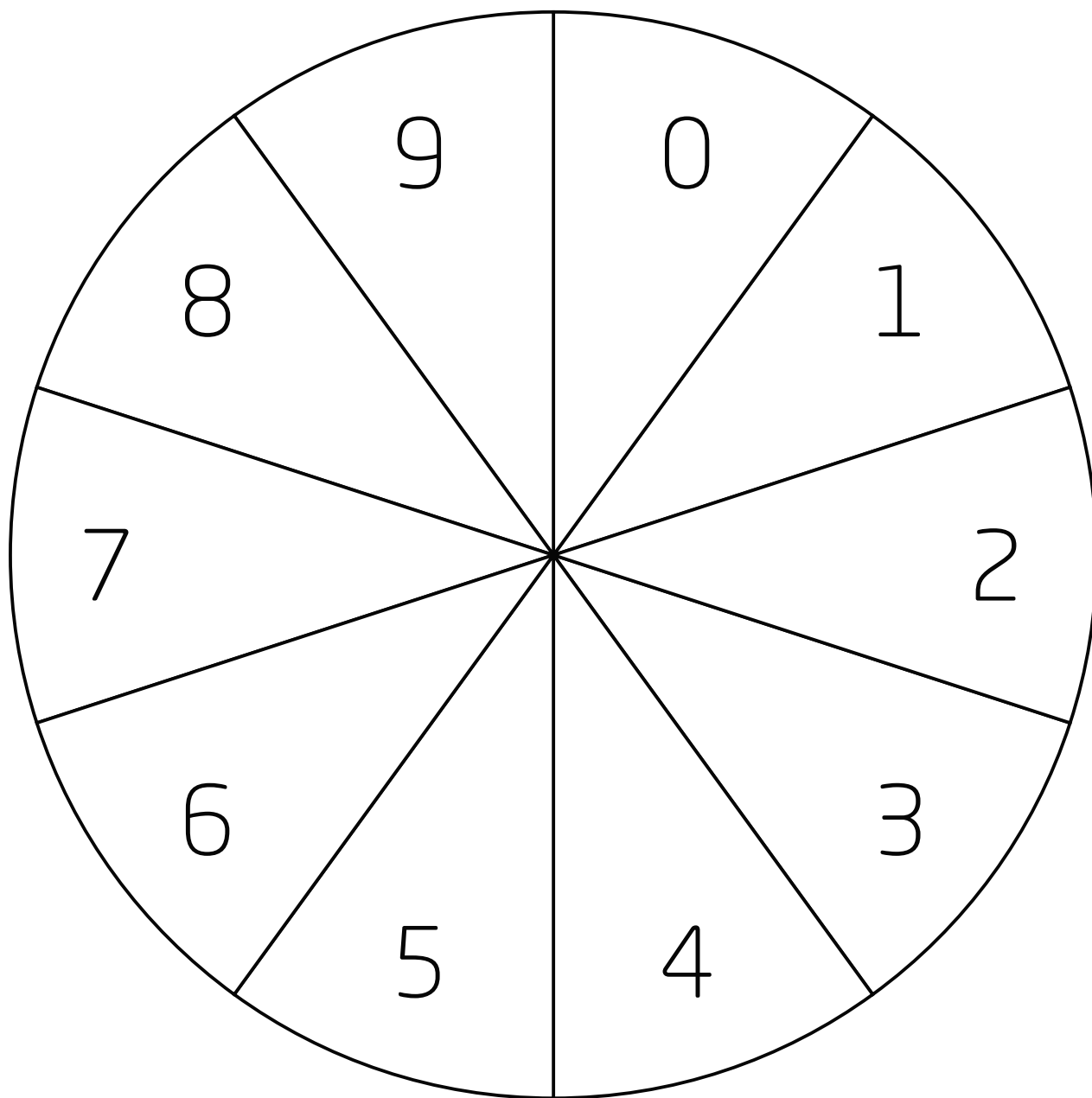
- D** Ofan á 10 m háum vegg liggur ostbiti. Lítil mús reynir að klifra upp til að ná ostinum. Á hverjum degi klifrar hún $3\frac{1}{3}$ m upp en á hverri nóttu rennur hún $1\frac{2}{3}$ m niður aftur.

Á hvaða degi nær músin ostbitanum?



1.3.13

Spilaskífa 0-9



Tugabrotaspjöld

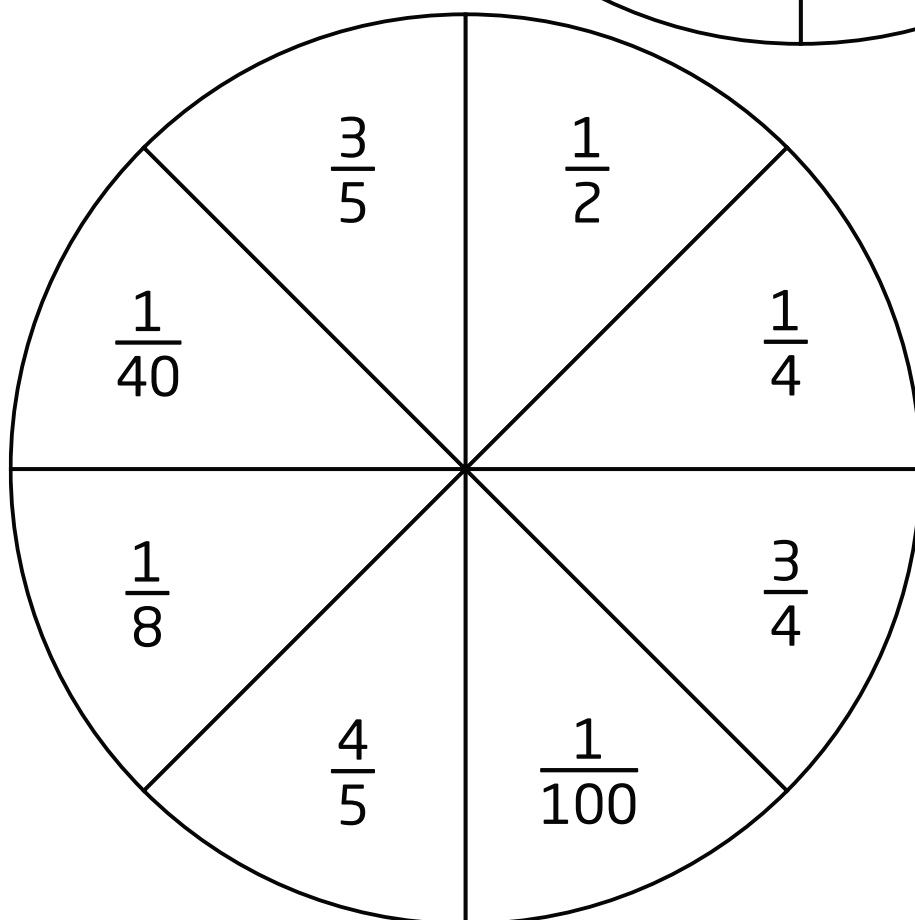
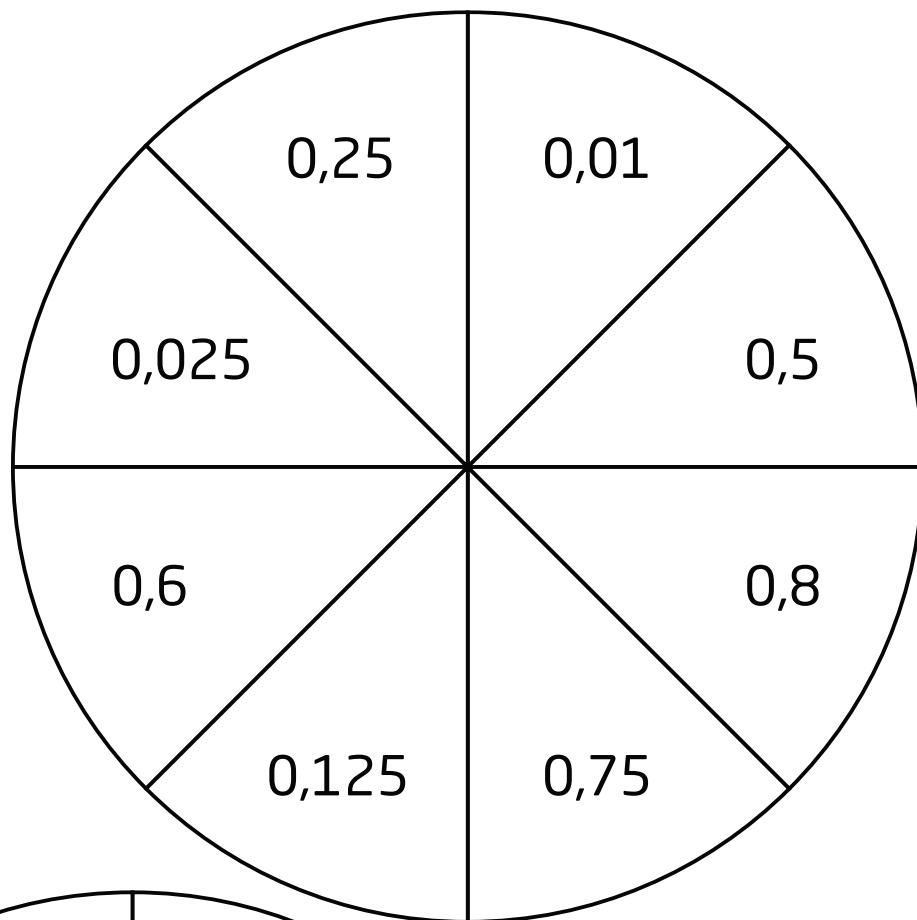
| | | | |
|------|------|------|------|
| 0,60 | 0,25 | 0,75 | 0,40 |
| 0,80 | 0,33 | 0,50 | 0,63 |
| 0,20 | 0,15 | 0,98 | 0,30 |
| 0,55 | 0,45 | 0,90 | 0,83 |
| 0,43 | 0,68 | 0,72 | 0,85 |
| 0,05 | 0,18 | 0,79 | 0,38 |
| 0,42 | 0,02 | 0,95 | 0,69 |

Tugabrotaspjöld

| | | | |
|-------|-------|-------|-------|
| 0,650 | 0,254 | 0,755 | 0,450 |
| 0,800 | 0,333 | 0,504 | 0,633 |
| 0,210 | 0,165 | 0,988 | 0,330 |
| 0,585 | 0,445 | 0,980 | 0,833 |
| 0,433 | 0,668 | 0,772 | 0,885 |
| 0,005 | 0,018 | 0,709 | 0,368 |
| 0,402 | 0,002 | 0,925 | 0,659 |

1.3.15

Spilaskífustríð



Almenn brot – Tugabrot

Klippa skal spjöldin út þannig að almennt brot og samsvarandi tugabrot séu hvort sínum megin á spjaldinu. Nemendur geta æft sig í algengustu brotum með því að byrja á tugabrotinu og nefna samsvarandi almennt brot eða öfugt.

| | | | |
|-----------------|------|-----------------|------|
| $\frac{2}{3}$ | 0,67 | $\frac{1}{4}$ | 0,25 |
| $\frac{4}{5}$ | 0,80 | $\frac{1}{3}$ | 0,33 |
| $\frac{1}{5}$ | 0,20 | $\frac{7}{10}$ | 0,70 |
| $\frac{3}{100}$ | 0,03 | $\frac{1}{100}$ | 0,01 |
| $\frac{3}{4}$ | 0,75 | $\frac{2}{5}$ | 0,40 |
| $\frac{1}{2}$ | 0,50 | $\frac{3}{5}$ | 0,60 |
| $\frac{1}{10}$ | 0,10 | $\frac{3}{10}$ | 0,30 |
| $\frac{9}{10}$ | 0,90 | $\frac{5}{6}$ | 0,83 |

1.3.17

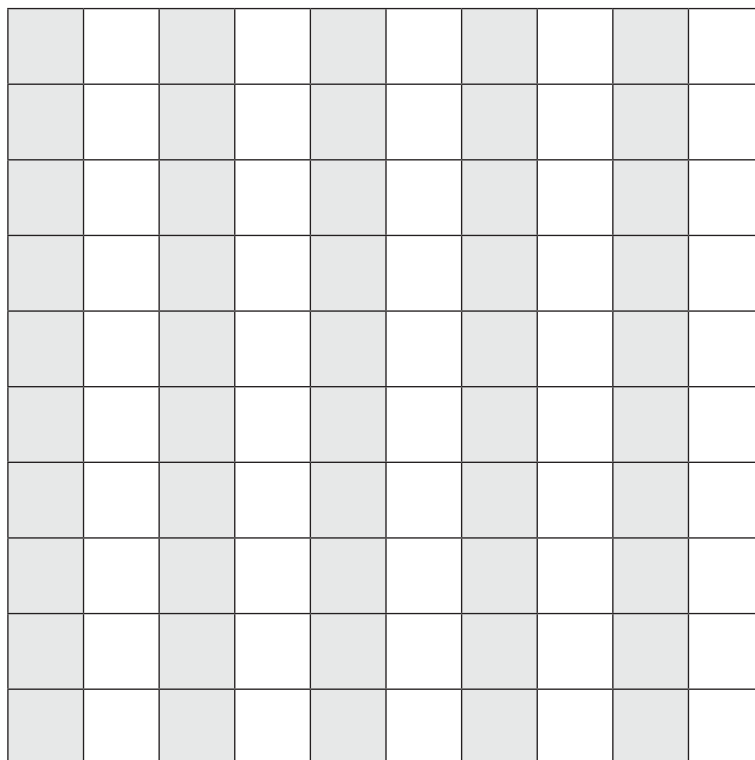
Meiri námundun

Fylgdu reglum um námundun og námundaðu tölurnar.

| Tölur | Næsti tugur | Næsta heila tala | Næsti tíundi hluti | Næsti hundraðshluti |
|-----------|-------------|------------------|--------------------|---------------------|
| 34,1209 | | | | |
| 215,29756 | | | | |
| 0,0649 | | | | |
| 1,0089 | | | | |
| 19,1 | | | | |
| 209,098 | | | | |
| 7,45983 | | | | |
| 0,12479 | | | | |
| 0,0121 | | | | |
| 3600,999 | | | | |
| 2,5 | | | | |
| 7,309 | | | | |
| 0,0197 | | | | |
| 12,528 | | | | |
| 128,06 | | | | |
| 1,01 | | | | |
| 3690,641 | | | | |
| 45,321 | | | | |
| 65,1098 | | | | |
| 4,3225 | | | | |
| 2,888 | | | | |
| 4,02 | | | | |
| 19,1729 | | | | |
| 309,207 | | | | |
| 0,000589 | | | | |
| 32,1028 | | | | |
| 0,0019 | | | | |

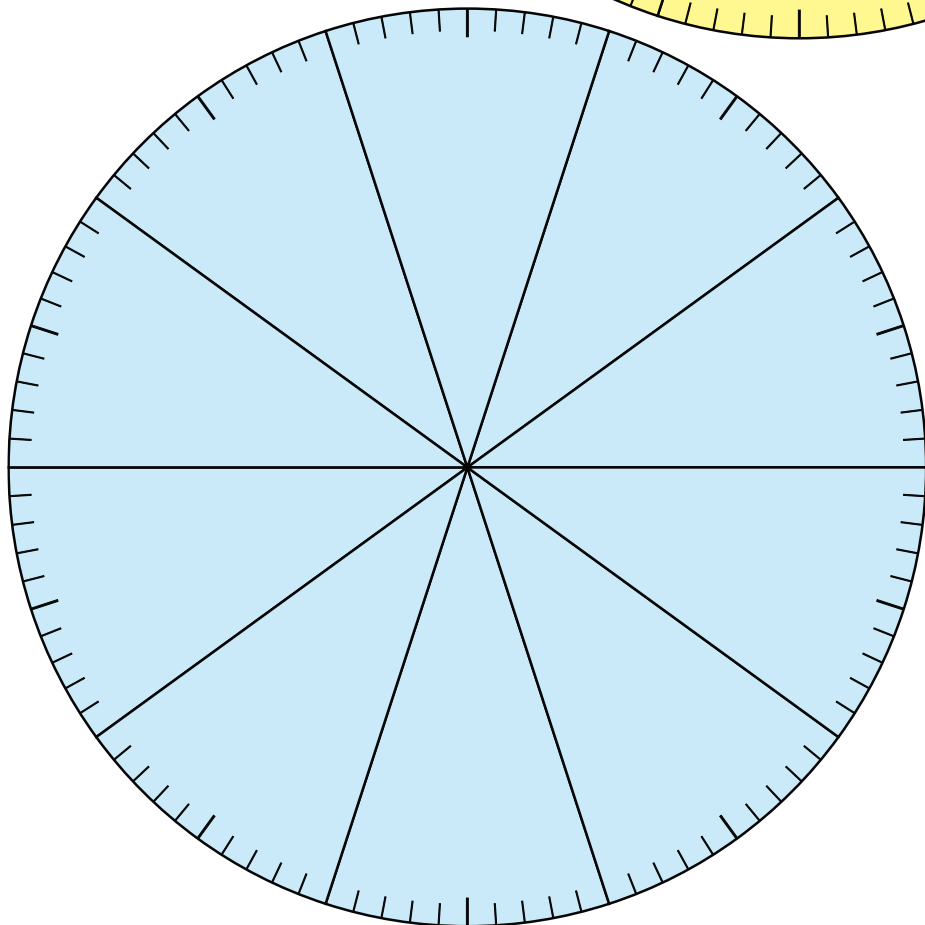
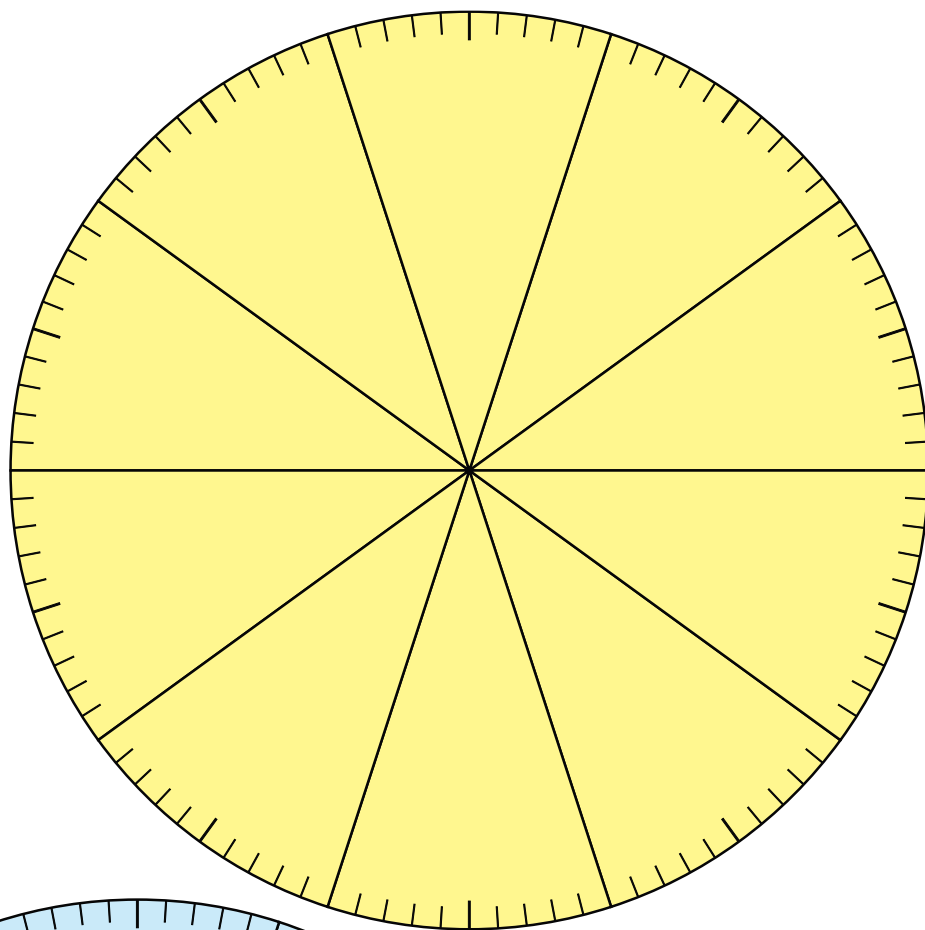
1.3.18

Hundrað reitir verða einn metri



1.3.19

Talnahjól



Hugareikningsdómínó – 30 spjöld

| | | |
|---|--|---|
| Ég á 50%. Hver á tölu sem er jafngild 0,8? | Ég á $\frac{4}{5}$. Hver á tölu sem er jafngild 0,12? | Ég á 12%. Hver á tölu sem er jafngild $\frac{1}{4}$. |
| Ég á 0,25. Hver á tölu sem er jafngild 0,01? | Ég á 1%. Hver á tölu sem er jafngild 20%? | Ég á $\frac{1}{5}$. Hver á tölu sem er jafngild 6%? |
| Ég á $\frac{3}{50}$. Hver á tölu sem er jafngild 60%? | Ég á 0,6. Hver á tölu sem er jafngild 12,5%? | Ég á $\frac{1}{8}$. Hver á tölu sem er jafngild 16%? |
| Ég á $\frac{4}{25}$. Hver á tölu sem er jafngild $\frac{1}{10}$? | Ég á 10%. Hver á tölu sem er jafngild 1,2? | Ég á 120%. Hver á tölu sem er jafngild 0,02? |
| Ég á $\frac{1}{50}$. Hver á tölu sem er jafngild 75%? | Ég á $\frac{3}{4}$. Hver á tölu sem er jafngild $\frac{1}{20}$? | Ég á 5%. Hver á tölu sem er jafngild 0,005? |
| Ég á 0,5%. Hver á tölu sem er jafngild 0,4? | Ég á $\frac{2}{5}$. Hver á tölu sem er jafngild 100%? | Ég á 1. Hver á tölu sem er jafngild 90%? |
| Ég á 0,9. Hver á tölu sem er jafngild 150%? | Ég á $\frac{3}{2}$. Hver á tölu sem er jafngild 4%? | Ég á $\frac{1}{25}$. Hver á tölu sem er jafngild 0,03%? |
| Ég á 3%. Hver á tölu sem er jafngild $\frac{17}{100}$? | Ég á 0,17%. Hver á tölu sem er jafngild 28%? | Ég á $\frac{7}{25}$. Hver á tölu sem er jafngild $\frac{3}{20}$? |
| Ég á 15%. Hver á tölu sem er jafngild 13%? | Ég á $\frac{13}{100}$? Hver á tölu sem er jafngild 2? | Ég á 200%. Hver á tölu sem er jafngild 65%? |
| Ég á $\frac{13}{20}$. Hver á tölu sem er jafngild 0,09? | Ég á 9%. Hver á tölu sem er jafngild 0,99? | Ég á 99%. Hver á tölu sem er jafngild 0,5? |

1.3.21

Spjöld til að raða á talnalínu

| | | | |
|---------------|---------------|----------------|----------------|
| $\frac{1}{3}$ | $\frac{1}{4}$ | $\frac{1}{10}$ | $\frac{2}{5}$ |
| $\frac{3}{5}$ | $\frac{1}{8}$ | 25% | 55% |
| $\frac{5}{6}$ | $\frac{1}{2}$ | $\frac{4}{5}$ | 30% |
| 8% | 0,6 | $\frac{3}{4}$ | 0,9 |
| 0,4 | 80% | 0,28 | 15% |
| 0,5 | 0,7 | 0,85 | $\frac{1}{20}$ |
| 5% | | | |

Almenn brot - Prósent - Tugabrot

Finndu blönduna 1!

| | |
|--|--|
| 1A $\frac{2}{15}$ af drykknum eru ísmolar. | 2A 20% af drykknum eru ananas. |
| 3A 150 grömm af drykknum eru vanillujógúrt. | 4A $\frac{1}{6}$ af drykknum er bananar. |
| 5A Helmingurinn af drykknum er vanillujógúrt. | 6A Í drykknum er 10 grömmum meira af ananas en af banönnum. |

Almenn brot - Prósent - Tugabrot

Finndu blönduna 2!

| | |
|--|--|
| <p>1B</p> <p>20% af drykknum eru bananar.</p> | <p>2B</p> <p>$\frac{3}{7}$ af drykknum eru úr jarðarberjajógúrt.</p> |
| <p>3B</p> <p>220 grömm af drykknum eru frosin jarðarber.</p> | <p>4B</p> <p>$\frac{3}{14}$ af drykknum eru mjólk.</p> |
| <p>5B</p> <p>Í drykknum er tvöfalt meira af jarðarberjajógúrt en mjólk.</p> | <p>6BA</p> <p>Í drykknum eru samtals 500 grömm af jarðarberjum og banönum.</p> |

Burt með töluna!

Í hverjum flokki fjögurra talna er ein sem passar ekki við hinar.
Hvaða tala skal burt og hvers vegna?

A

| | |
|-----|-----------------|
| 0,2 | $\frac{2}{10}$ |
| 20% | $\frac{2}{100}$ |

F

| | |
|---------------|-----|
| 20% | 0,3 |
| $\frac{1}{3}$ | 0,6 |

B

| | |
|---------------|------|
| 75% | 3,4 |
| $\frac{3}{4}$ | 0,75 |

G

| | |
|----------------|------|
| $1\frac{1}{2}$ | 1,5 |
| 50% | 150% |

C

| | |
|----------------|---------------|
| $\frac{4}{15}$ | $\frac{3}{5}$ |
| $\frac{2}{3}$ | $\frac{2}{7}$ |

H

| | |
|---------------|----------------|
| $\frac{6}{5}$ | 6,5 |
| 1,2 | $1\frac{1}{5}$ |

D

| | |
|---------------|------|
| 1,8 | 80% |
| $\frac{9}{5}$ | 180% |

I

| | |
|------|------|
| 0,75 | 0,80 |
| 0,92 | 105% |

E

| | |
|---------------|----------------|
| 12% | $\frac{2}{16}$ |
| $\frac{1}{8}$ | 0,125 |

J

| | |
|---------------|---------------|
| $\frac{1}{2}$ | 50% |
| 0,2 | $\frac{3}{6}$ |