



4b

Nemendabók

Lausnir

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7 Ummál og flatarmál

Bls. 5

Svör geta verið mismunandi eftir leiðum og hvort annar eða báðir endareitir eru taldir með.

- 1 a** 120 metrar **b** 220 metrar **c** 720 metrar
 220 metrar 120 metrar 500 metrar
 460 metrar 280 metrar 880 metrar

Bls. 6

- 2 a** 140 m **c** 100 m **e** 20 m
b U.þ.b 100 m **d** 240 m

- 3 a** 80 m **c** 120 m
b 75 m **d** 70 m

Bls. 8

- 6 a** 12 cm **b** 12 cm

- 7 a** 12 cm **b** 14 cm **c** 16 cm

- 8 a** 12 cm **b** 24 cm **c** 16 cm

Bls. 9

- 9 a** 20 cm **c** 20,5 cm **e** 26 cm
b 24 cm **d** 22 cm

Bls. 10

- 10 a** 8 reitir **c** 77 reitir **e** 204 reitir
b 8 reitir **d** 13 reitir **f** U.þ.b. 4 reitir

Bls. 11

- 11 a** 48 **c** 91 **e** 84
b 45 **d** 48

Bls. 12

- 12 a** 2 **b** 5 **c** 8

13 a 6 **b** 8 **c** 8,5

Bls. 13

- 14 a** 30 cm² **c** 21 cm² **e** 32 cm²
b 25 cm² **d** 12,5 cm²

Bls. 14

- 15 a** 12 m² **c** 18 m² **e** 28 m² **g** 71 m²
b 20 m² **d** 18 m² **f** 16 m² **h** 183 m²

Bls. 15

- 16 a** Á skrifborðinu **b** Teppíð **c** Skrifborðið

Bls. 16

- 19 b** A 12 B 13 C 17 D 25

Bls. 17

- 20 b** A 6 B 8 C 12 D 9

Bls. 18

- 21 a** 18 cm² **c** 28 cm² **e** 45 cm²
b 20 cm² **d** 45 cm²

Bls. 19

22

	Stytttri hliðin	Lengri hliðin	Ummál	Flatarmál
a	3	4	14	12
b	2	8	20	16
c	4	4	16	16

- 23 b** 16 cm, 20 cm og 32 cm **c** 15 cm², 24 cm² og 39 cm²

Bls. 20

Próf

- 1 a** 20 cm **b** 24 cm

- 2 a** 20 cm² **b** 8 cm² **c** 18 cm²

- 3 b** 18 cm² **c** 14 cm²

Bls. 21

Æfingasíða 1

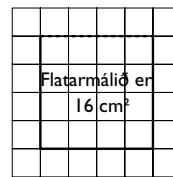
- 24 a** 27 cm **b** 27 cm

- 25 a** 18 cm² **b** 36 cm² **c** 10 cm² **d** 28 cm²

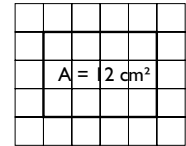
Bls. 22

Æfingasíða 2

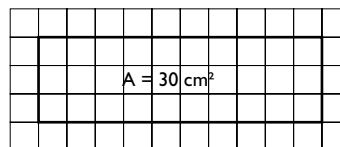
26 a



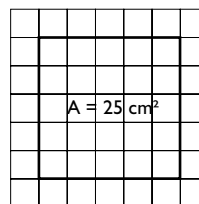
b



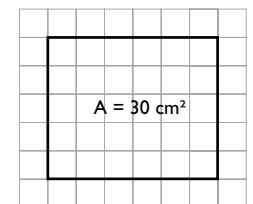
c



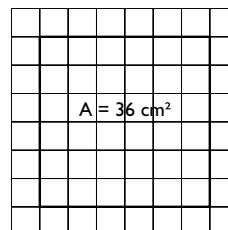
d



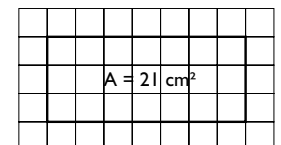
e



f



g



Bls. 23

Geturðu þetta?

27

Ljósblái hlutinn

28

Bleiki hlutinn

8 Margföldun og deiling 2

Bls. 25

- 1 a** $3 \cdot 10 = 30$ **d** $5 \cdot 10 = 50$
b $6 \cdot 10 = 60$ **e** $10 \cdot 10 = 100$
c $2 \cdot 10 = 20$ **f** $7 \cdot 10 = 70$

- 2 a** $1 \cdot 5 = 5$ **d** $8 \cdot 5 = 40$
b $4 \cdot 5 = 20$ **e** $6 \cdot 5 = 30$
c $5 \cdot 5 = 25$ **f** $12 \cdot 5 = 60$

- 3 a** $2 \cdot 7 = 14$ **d** $6 \cdot 7 = 42$
b $1 \cdot 7 = 7$ **e** $4 \cdot 7 = 28$
c $5 \cdot 7 = 35$ **f** $10 \cdot 7 = 70$

Bls. 26

- 4 a** $9 : 4 = 2$ og 1 afgangur **d** $20 : 4 = 5$
b $16 : 4 = 4$ **e** $13 : 4 = 3$ og 1 afgangur
c $12 : 4 = 3$

- 5 a** $13 : 3 = 4$ og 1 afgangur **d** $10 : 3 = 3$ og 1 afgangur
b $6 : 3 = 2$ **e** $5 : 3 = 1$ og 2 afgangur
c $15 : 3 = 5$ **f** $9 : 3 = 3$

Bls. 27

- 6 a** 3 **c** 10
b 5 **d** 8 pör, 1 afgangur

- 7 a** 3 **c** 5 **e** 6
b 1 **d** 4 **f** 4

Bls. 28

- 8 a** $2 \cdot 4$ kr. = 8 kr. **b** $5 \cdot 2$ kr. = 10 kr.
 $4 \cdot 4$ kr. = 16 kr. $3 \cdot 2$ kr. = 6 kr.
 $7 \cdot 4$ kr. = 28 kr. $9 \cdot 2$ kr. = 18 kr.

- c** $2 \cdot 8$ kr. = 16 kr.
 $5 \cdot 8$ kr. = 40 kr.
 $6 \cdot 8$ kr. = 48 kr.

- 9 a** $30 : 4 = 7$ og 2 afgangur 7 epli
 $30 : 5 = 6$ 6 mjólkurfemur
 $30 : 2 = 15$ 15 gulrætur

- b** $50 : 5 = 10$ 10 mjólkurfemur
 $50 : 8 = 6$ og 2 afgangur 6 rúnnstykki
 $50 : 7 = 7$ og 1 afgangur 7 kleinur

- 10 a** 12 **b** 24 **c** 4 **d** 2
15 12 6 4
27 42 8 5
30 54 10 7

Bls. 30

- 11 a** $3 \cdot 3 = 9$ **c** $3 \cdot 5 = 15$ **e** $6 \cdot 3 = 18$
b $2 \cdot 6 = 12$ **d** $4 \cdot 6 = 24$

Bls. 31

- 12 a** $7 \cdot 3 = 21$ **b** $7 \cdot 4 = 28$ **c** $6 \cdot 3 = 18$
 $3 \cdot 7 = 21$ $4 \cdot 7 = 28$ $3 \cdot 6 = 18$

- 13 a** 10 **b** 20 **c** 28 **d** 24
10 20 28 24
12 15 35 24
12 15 35 24

Bls. 32

- 14 a** 40 **b** 54 **c** 42 **d** 56

Bls. 33

- 15 a** 90 **b** 96 **c** 98

Bls. 34

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

- 17 a** 15 **b** 12 **c** 20 **d** 36
8 18 21 32
49 18 42 27

- 18 a** 25 **b** 16 **c** 36 **d** 64
24 28 54 81
48 30 40 63

- 19 a** 35 **b** 42 **c** 9 **d** 18
56 45 12 48
24 72 27 45

Bls. 35

- 20 a** $100 - 120 - 140$ **e** $100 - 125 - 150$
b $120 - 150 - 180$ **f** $200 - 250 - 300$
c $60 - 75 - 90$ **g** $240 - 300 - 360$
d $160 - 200 - 240$ **h** $44 - 55 - 66$

- 21 a** 90 **b** 200 **c** 180 **d** 120
80 60 100 250
80 120 300 210

22 a 30 **b** 100 **c** 40 **d** 160
 60 120 60 160
 90 150 120 150

23 a 240 **b** 240 **c** 540 **d** 200
 280 180 240 600
 350 420 360 800

24 a 120 **b** 320 **c** 420 **d** 800
 300 210 400 2400
 420 210 490 1800

Bls. 36

25 a 2 **c** 6 **e** 48
b 28 **d** 27

Bls. 37

26 a 7 **b** 45 **c** 4 **d** 56

27 a 7 **b** 4 **c** 8 **d** 11
 5 6 9 5

28 a 42, 42 : 7 og 42 : 6
 24, 24 : 8 og 24 : 3
 45, 45 : 9 og 45 : 5

c 50, 50 : 10 og 50 : 5
 63, 63 : 7 og 63 : 9
 54, 54 : 9 og 54 : 6

b 80, 80 : 10 og 80 : 8
 35, 35 : 7 og 35 : 5
 32, 32 : 8 og 32 : 4

d 77, 77 : 7 og 77 : 11
 36, 36 : 12 og 36 : 3
 135, 135 : 15 og 135 : 9

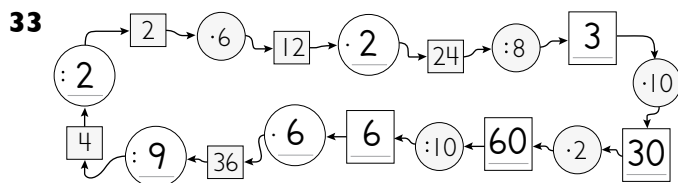
Bls. 38

29 a 2 **b** 3 **c** 7
 5 3 7
 5 24 7

30 a 5 **b** 3 **c** 4
 2 2 6
 8 1 9

31 a 3 **b** 6 **c** 10 **d** 8
 2 4 9 12
 5 8 8 9

32 a 4 **b** 4 **c** 7 **d** 7
 3 10 8 10
 5 9 6 9



Bls. 39

34 a 5, 8, 11, 14, 17 **c** 33, 38, 43, 48
b 40, 44, 48, 52 **d** 24, 33, 42, 51

Bls. 40

35 a 12 **b** 16 **c** 18
 52 176 180
 742 1776 1800

36 a 6 **b** 7 **c** 3
 6 70 13
 6 7 125

37

.	1	11	111	1111
1	1	11	111	1111
11	11	121	1221	12 221
111	111	1221	12 321	123 321
1111	1111	12 221	123 321	1 234 321

Bls. 41

38 a 6, 9, 12, 15 o.s.frv. **d** 8, 12, 16, 20 o.s.frv.
b 10, 15, 20, 25 o.s.frv. **e** 16, 24, 32, 40 o.s.frv.
c 14, 21, 28, 35 o.s.frv. **f** 24, 36, 48, 60 o.s.frv.

39 a 38, 57, 76 o.s.frv. **d** 250, 375, 500 o.s.frv.
b 404, 606, 808 o.s.frv. **e** 42, 63, 84 o.s.frv.
c 98, 147, 196 o.s.frv. **f** 300, 450, 600 o.s.frv.

40 a 38, 36, 34 o.s.frv. **d** 95, 90, 85 o.s.frv.
b 57, 54, 51 o.s.frv. **e** 188, 177, 166 o.s.frv.
c 96, 92, 88 o.s.frv. **f** 480, 460, 440 o.s.frv.

Bls. 42

42 15

43 20

44 40

45 10

46 60

47 a 10 **b** 600 kr. **c** 10 kr.

Bls. 43

50 30 kr.

Bls. 44

Próf

1 a $7 \cdot 3 = 21$ **b** $6 \cdot 4 = 24$

2 a $3 : 5 = 15$ **c** $6 : 6 = 36$ og 4 afgangur
b $5 : 8 = 40$ **d** $4 : 8 = 32$

3 a 24 **b** 49 **c** 3 **d** 7
 14 60 9 8
 16 48 6 9

- 4 a** 25 **b** 90 **c** 7 **d** 7
 36 80 8 8
 54 120 10 7

Bls. 45

Æfingasiða 1

- 51 a** 8, 10, 12 **b** 9, 12, 15 **c** 16, 20, 24

- 52 a** $6 \cdot 2 = 12$ **c** $5 \cdot 3 = 15$
b $5 \cdot 5 = 25$ **d** $7 \cdot 4 = 28$

Bls. 46

Æfingasiða 2

- 53 a** 24 **b** 1 **c** 5
 45 8 7
 36 4 11

- 54 a** 2 **b** 48 **c** 4
 9 56 5
 5 72 9

- 55 a** $840 : 2 = 420$
b $3100 : 3 = 1030$ og 10 afgang
c $366 : 4 = 91$ og 2 afgang
d $993 : 2 = 496$ og 1 afgang
e $1640 : 3 = 546$ og 2 afgang
f $8220 : 4 = 2055$

Bls. 47

Geturðu þetta?

- 56 a** 135 **b** 216 **c** 300

- c** 6 egg
 9 msk. sykur
 600 g hveiti
 1,5 tsk. lyftiduft
 1,5 l mjólk
 12 msk. brætt smjör
 0,75 tsk. kardemommur

Bls. 51

- 3 a** 1500 g **c** 5000 g **e** 500 g
b 2000 g **d** 3000 g

- 4 a** 1 kg **c** 3 kg **e** 0,8 kg
b 0,3 kg **d** 2,5 kg **f** 0,7 kg

- 5 a** 3 kg **b** 1,5 kg **c** 0,8 kg **d** 7,2 kg
 8 kg 0,4 kg 0,2 kg 5,1 kg
 5 kg 2,3 kg 3,4 kg 0,3 kg

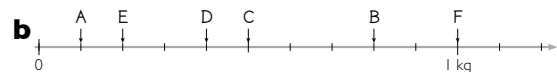
Bls. 52

- 6 a** 400 g **c** 500 g **e** 800 g
 400 kr. 500 kr. 800 kr.
b 300 g **d** 600 g **f** 1000 g
 300 kr. 600 kr. 1000 kr.

- 7 A** 0,2 kg **C** 0,9 kg **D** 1,3 kg **E** 1,8 kg
B 0,6 kg

Bls. 53

- 8 a** A 0,1 kg, E 200 g, D 0,4 kg, C 0,5 kg, B 800 g, F 1000 g



- 9 a** A 0,3 kg C 1,3 kg E 2,1 kg
 B 0,8 kg D 1,6 kg F 2,9 kg

- b** A 300 g C 1300 g E 2100 g
 B 800 g D 1600 g F 2900 g

- 10 a** 2000 g **b** 3000 g **c** 700 g **d** 8300 g
 4000 g 500 g 3300 g 200 g
 7000 g 2500 g 5200 g 900 g
 5000 g 4500 g 2800 g 1200 g

- 11 a** 0,8 kg **b** 3,5 kg **c** 0,1 kg **d** 4,7 kg
 0,4 kg 0,9 kg 1,1 kg 2,2 kg
 2 kg 1,7 kg 0,6 kg 1,8 kg

Bls. 54

- 13 a** 10 dl **b** 15 dl **c** 5 dl **d** 3 dl

- 14 a** 0,2 l **c** 0,8 l **e** 0,1 l **g** 1,8 l
b 0,5 l **d** 1 l **f** 1,4 l **h** 2,7 l

Bls. 55

- 15 a** 3 dl, 0,3 l **b** 6 dl, 0,6 l **c** 2 dl, 0,2 l **d** 8 dl, 0,8 l

- 16 a** 14 dl, 1,4 l **c** 14 dl, 1,4 l **e** 24 dl, 2,4 l
b 12 dl, 1,2 l **d** 14 dl, 1,4 l **f** 20 dl, 2 l

9 Mælingar og tugabrot

Bls. 49

I	Efni	20 bollur	40 bollur	200 bollur
	hveiti	500 g	1 kg	5 kg
	mjólk	3 dl	6 dl	3 l
	ger	50 g	100 g	500 g
	sykur	50 g	100 g	500 g
	smjör	100 g	200 g	1 kg
	salt	0,5 tsk.	1 tsk.	5 tsk.

Bls. 50

- 2 a** 8 egg **b** 2 egg
 12 msk. sykur 3 msk. sykur
 800 g hveiti 200 g hveiti
 2 tsk. lyftiduft 0,5 tsk. lyftiduft
 2 l mjólk 5 dl mjólk
 16 msk. brætt smjör 4 msk. brætt smjör
 1 tsk. kardemommur 0,25 tsk. kardemommur

Bls. 56

17 a 7 dl, 0,7 l
5 dl, 0,5 l
10 dl, 1 l
9 dl, 0,9 l

c 11 dl, 1,1 l
13 dl, 1,3 l
13 dl, 1,3 l
18 dl, 1,8 l

b 9 dl, 0,9 l
9 dl, 0,9 l
10 dl, 1 l
11 dl, 1,1 l

d 15 dl, 1,5 l
20 dl, 2 l
18 dl, 1,8 l
27 dl, 2,7 l

18 a 1,3 l **b** 1,9 l **c** 4,5 l **d** 8,8 l
3,2 l 5,2 l 9,1 l 6,3 l
2,5 l 3,9 l 6,7 l 2,8 l

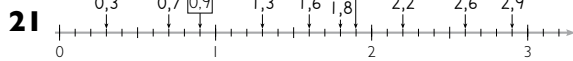
19 a A 0,4 l C 1,2 l E 1,8 l
B 0,8 l D 1,5 l

b A 4 dl C 12 dl E 18 dl
B 8 dl D 15 dl

20 a A 0,2 l C 1,1 l E 2,6 l G 3,6 l
B 0,6 l D 1,6 l F 3,2 l H 3,9 l

b A 2 dl C 11 dl E 26 dl G 36 dl
B 6 dl D 16 dl F 32 dl H 39 dl

Bls. 57



22 a 0,1 - 0,3 - 0,4 - 0,6 - 0,7 - 1,0 - 1,5

b 0,7 - 0,9 - 1,1 - 1,4 - 1,8 - 2,0 - 2,5

23 a 3,2 - 2,3 - 1,5 - 1,1 - 0,9 - 0,7 - 0,2

b 12,1 - 11,8 - 11,4 - 11,2 - 11,1 - 10,9 - 10,5

24 a

-0,1		+0,1
0,7	0,8	0,9
0,4	0,5	0,6
1,2	1,3	1,4
2,4	2,5	2,6
0,8	0,9	1

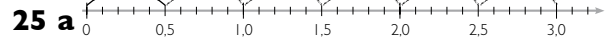
b

-0,3		+0,3
0,0	0,3	0,6
0,2	0,5	0,8
1,1	1,4	1,7
2,1	2,4	2,7
3,4	3,7	4,0

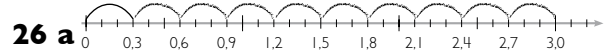
c

-1,2		+1,2
-0,8	0,4	1,6
-0,5	0,7	1,9
-0,4	0,8	2,0
0,3	1,5	2,7
2,7	3,9	5,1

Bls. 58



b 0,5 - 1,0 - 1,5 - 2,0 - 2,5 - 3,0



b 0,3 - 0,6 - 0,9 - 1,2 - 1,5 - 1,8 - 2,1 - 2,4 - 2,7 - 3,0

27

Skref í hverju hoppi	Byrjunar-tala				
0,2	0,5	0,7	0,9	1,1	1,3
0,6	0,3	0,9	1,5	2,1	2,7
1,1	0,1	1,2	2,3	3,4	4,5
2,3	1,2	3,5	5,8	8,1	10,4
3,5	0,6	4,1	7,6	11,1	14,6
0,9	0,2	1,1	2,0	2,9	3,8
1,4	2,1	3,5	4,9	6,3	7,7
4,7	1,2	5,9	10,6	15,3	20,0

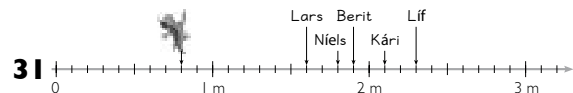
Bls. 59

29 B

Bls. 60

30 a Líf

- b** 1. Líf
2. Kári
3. Berit
4. Níels
5. Lars
6.



Bls. 61

32

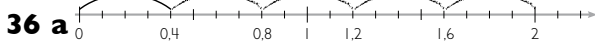
Nafn	dm	m
Birna	6 dm	0,6 m
Henrik	11 dm	1,1 m
Alexander	17 dm	1,7 m
Anna	22 dm	2,2 m
Þóra	28 dm	2,8 m
Magnús	35 dm	3,5 m

- 33 a** 1 m **b** 0,4 m **c** 0,1 m **d** 0,3 m
 1,5 m 0,8 m 3,1 m 0,9 m
 2,1 m 1,2 m 6,4 m 7,3 m

- 34 a** 6 dm, 0,6 m **b** 14 dm, 1,4 m **c** 31 dm, 3,1 m
 8 dm, 0,8 m 17 dm, 1,7 m 43 dm, 4,3 m
 9 dm, 0,9 m 15 dm, 1,5 m 34 dm, 3,4 m
 10 dm, 1 m 15 dm, 1,5 m 42 dm, 4,2 m
 11 dm, 1,1 m 23 dm, 2,3 m 35 dm, 3,5 m
 12 dm, 1,2 m 18 dm, 1,8 m 31 dm, 3,1 m

- 35 a** 0,6 m, 6 dm **b** 1,3 m, 13 dm **c** 1,6 m, 16 dm
 0,9 m, 9 dm 1,3 m, 13 dm 2,9 m, 29 dm
 1,5 m, 15 dm 1,5 m, 15 dm 4,2 m, 42 dm

Bls. 62



b 0,4 m – 0,8 m – 1,2 m – 1,6 m – 2,0 m

37 a

Skref í hverju hoppi	Byrjunar-tala			
0,5	0,1	0,6	1,1	1,6
1,2	0,7	1,9	3,1	4,3
1,8	1,2	3,0	4,8	6,6
2,3	2,7	5,0	7,3	9,6
3,1	1,9	5,0	8,1	11,2

Bls. 64

42

Mynd	Lengd hliðanna	Ummál		
		mm	cm	dm
A	3,5 cm + 3,5 cm + 1,5 cm + 1,5 cm	100 mm	10 cm	1 dm
B	5,5 cm + 5,5 cm + 5,5 cm + 5,5 cm	220 mm	22 cm	2,2 dm
C	16,2 cm + 16,2 cm + 4,2 cm + 4,2 cm	408 mm	40,8 cm	4,08 dm
D	6,8 cm + 5,2 cm + 8,5 cm	205 mm	20,5 cm	2,05 dm
E	D = 6,5 cm r = 3,25 cm	204 mm	20,4 cm	2,04 dm

43 a

Mynd	Hlið 1	Hlið 2	Hlið 3	Hlið 4	Ummál
A	4,3 cm	5,2 cm	4,3 cm	5,2 cm	19,0 cm
B	6,0 cm	2,0 cm	6,0 cm	2,0 cm	16,0 cm
C	7,2 cm	3,8 cm	7,2 cm	3,8 cm	22,0 cm

b Samsíða hliðar eru jafn langar

44 a

Mynd	Hlið 1	Hlið 2	Hlið 3	Hlið 4	Ummál
A	4,6 cm	3,0 cm	4,6 cm	3,0 cm	15,2 cm
B	4,9 cm	7,2 cm	4,9 cm	7,2 cm	24 cm
C	2,7 cm	6,5 cm	2,7 cm	6,5 cm	18,4 cm
D	6,6 cm	4,7 cm	6,6 cm	4,7 cm	22,6 cm

b Samsíða hliðar eru jafn langar

37 b

Skref í hverju hoppi	Byrjunar-tala			
1,3	0,5	1,8	3,1	4,4
2,5	1,3	3,8	6,3	8,8
4,3	2,5	6,8	11,1	15,4
5,4	1,9	7,3	12,7	18,1
6,7	2,7	9,4	16,1	22,8

- 38 a** 1,2 - 1,5 - 1,8 - 2,1
 5,6 - 6,1 - 6,6 - 7,1
 9,3 - 9,9 - 10,5 - 11,1
- b** 4,5 - 5,5 - 6,5 - 7,5
 4,1 - 4,5 - 4,9 - 5,3
 15 - 16,1 - 17,2 - 18,3

39

Pau borðuðu	Pau eiga eftir	Pau áttu í upphafi
0,3 m	0,5 m	0,8 m
0,2 m	1,3 m	1,5 m
1,2 m	0,4 m	1,6 m
0,8 m	2,4 m	3,2 m
2,4 m	0,9 m	3,3 m

Bls. 63

- 40 a** 82 mm = 8,2 cm **e** 39 mm = 3,9 cm
b 56 mm = 5,6 cm **f** 113 mm = 11,3 cm
c 98 mm = 9,8 cm **g** 152 mm = 15,2 cm
d 31 mm = 3,1 cm

- 41 a** 1 cm **b** 2,3 cm **c** 1,9 cm **d** 3,1 cm
 3 cm 1,4 cm 5,4 cm 12,4 cm
 1,5 cm 0,9 cm 17,4 cm 10,7 cm
 2,5 cm 0,1 cm 25,3 cm 20,1 cm

Bls. 72

3 a $\frac{3}{8}$

c $\frac{6}{8}$ eða $\frac{3}{4}$

b $\frac{2}{8}$ eða $\frac{1}{4}$

d $\frac{6}{10}$ eða $\frac{3}{5}$

4 a $\frac{3}{9}$ eða $\frac{1}{3}$

c $\frac{7}{14}$ eða $\frac{1}{2}$

b $\frac{4}{12}$ eða $\frac{1}{3}$

5 a $\frac{5}{12}$

b $\frac{5}{14}$

c $\frac{6}{10}$ eða $\frac{3}{5}$

6 a $\frac{4}{12}$ eða $\frac{1}{3}$

d $\frac{1}{12}$

b $\frac{3}{12}$ eða $\frac{1}{4}$

e $\frac{2}{12}$ eða $\frac{1}{6}$

c $\frac{2}{12}$ eða $\frac{1}{6}$

Bls. 73

9 a $\frac{1}{5}$

b $\frac{1}{3}$

c $\frac{1}{8}$

d $\frac{1}{12}$

Bls. 74

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

b $\frac{1}{2}$

c $\frac{1}{2}$

11 a $\frac{1}{4}$

b $\frac{1}{5}$

c $\frac{1}{6}$

12 a $\frac{1}{2}$

c $\frac{1}{4}$

e $\frac{1}{4}$ eða $\frac{3}{12}$

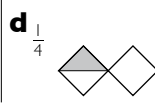
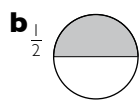
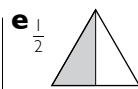
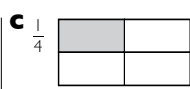
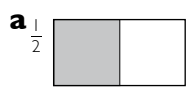
b $\frac{2}{5}$

d $\frac{1}{4}$

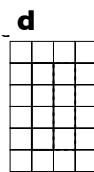
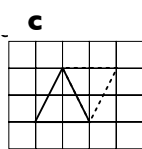
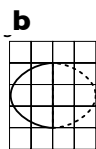
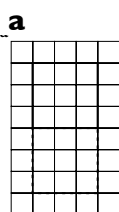
f $\frac{3}{8}$

Bls. 75

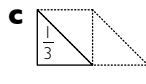
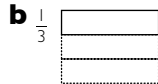
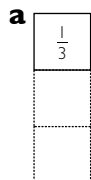
13 Dæmi um lausnir:



14 Dæmi um lausnir:



15 Dæmi um lausnir:



Bls. 77

17 a $\frac{4}{32}$ eða $\frac{1}{8}$

c $\frac{4}{32}$ eða $\frac{1}{8}$

b $\frac{8}{32}$ eða $\frac{1}{4}$

d $\frac{8}{32}$ eða $\frac{1}{4}$

18 a $\frac{8}{32}$ eða $\frac{1}{4}$

c $\frac{8}{32}$ eða $\frac{1}{4}$

e $\frac{4}{32}$ eða $\frac{1}{8}$

b $\frac{4}{32}$ eða $\frac{1}{8}$

d $\frac{8}{32}$ eða $\frac{1}{4}$

Bls. 78

20 c Að $\frac{1}{4} = \frac{2}{8}$ og $\frac{2}{4} = \frac{4}{8}$

21 c Að $\frac{2}{6} = \frac{4}{12}$ og $\frac{1}{6} = \frac{2}{12}$

22 a 6

c 8

e 2

b 4

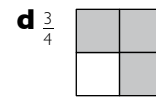
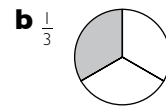
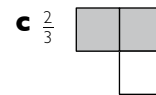
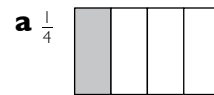
d 3

23 6 hringir eru bláir
2 hringir eru grænir
3 hringir eru bleikir

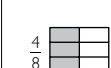
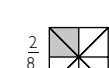
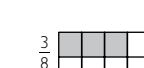
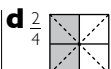
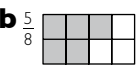
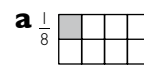
4 hringir eru gulir
4 hringir eru rauðir
5 hringir eru ólitaðir

Bls. 79

24 Dæmi um lausnir:



25 Dæmi um lausnir:



Bls. 80

27 $\frac{1}{5}$ = myndir A og H

$\frac{1}{2}$ = C, E og F

$\frac{1}{4}$ = myndir B, D og L

$\frac{2}{3}$ = J

$\frac{1}{3}$ = G, I og K

Bls. 81

28 a $\frac{1}{3}$

b $\frac{1}{7}$

c $\frac{2}{5}$

29 a $\frac{3}{9}$

b $\frac{7}{12}$

c $\frac{6}{24}$

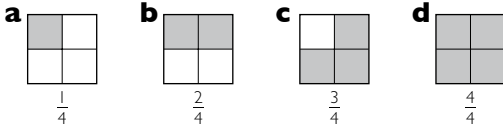
30 a $\frac{1}{2}$, $\frac{2}{4}$, $\frac{5}{10}$

c $\frac{3}{9}$, $\frac{4}{12}$

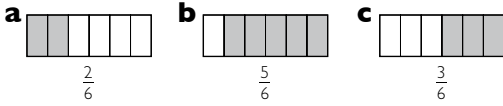
b $\frac{3}{3}$, $\frac{10}{10}$

Bls. 82

32 Dæmi um lausnir:



33 Dæmi um lausnir:



- 34 a $\frac{1}{4}$ $\frac{2}{4}$ $\frac{3}{4}$ $\frac{4}{4}$
 b $\frac{1}{6}$ $\frac{2}{6}$ $\frac{3}{6}$ $\frac{4}{6}$ $\frac{5}{6}$
 c $\frac{4}{15}$ $\frac{5}{15}$ $\frac{9}{15}$ $\frac{11}{15}$ $\frac{12}{15}$
 d $\frac{1}{12}$ $\frac{3}{12}$ $\frac{6}{12}$ $\frac{8}{12}$ $\frac{10}{12}$

Bls. 83

- 35 a $\frac{3}{8} < \frac{4}{8}$ b $\frac{3}{9} < \frac{5}{9}$ c $\frac{3}{7} = \frac{3}{7}$
 $\frac{3}{6} < \frac{4}{6}$ $\frac{7}{10} > \frac{6}{10}$ $\frac{2}{5} > \frac{1}{5}$
 $\frac{3}{12} < \frac{5}{12}$ $\frac{8}{16} < \frac{10}{16}$ $\frac{12}{20} > \frac{8}{20}$

- 36 a $\frac{3}{4} > \frac{2}{4}$ b $\frac{1}{2} = \frac{2}{4}$ c $\frac{7}{9} = \frac{7}{9}$
 $\frac{6}{8} < \frac{7}{8}$ $\frac{3}{4} > \frac{2}{4}$ $\frac{1}{3} = \frac{1}{3}$

Bls. 84

- 37 a $\frac{1}{4}$ c $\frac{1}{5}$ e $\frac{2}{5}$
 b $\frac{1}{6}$ d $\frac{1}{3}$ f $\frac{4}{8}$

Bls. 85

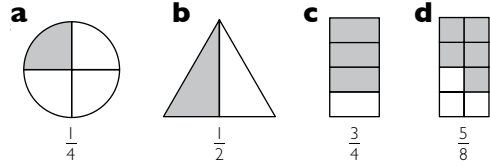
- 38 a $\frac{1}{6}$ b $\frac{1}{4}$ c $\frac{1}{3}$
 $\frac{1}{5}$ $\frac{1}{6}$ $\frac{1}{9}$
 39 a $\frac{1}{8}$ b $\frac{1}{14}$ c $\frac{1}{10}$
 $\frac{1}{20}$ $\frac{1}{10}$ $\frac{1}{9}$
 40 a $\frac{2}{3}$ b $\frac{4}{6}$ c $\frac{7}{8}$
 $\frac{3}{6}$ $\frac{5}{6}$ $\frac{8}{9}$
 41 a $\frac{2}{5}$ b $\frac{1}{20}$ c $\frac{4}{20}$
 $\frac{1}{12}$ $\frac{1}{10}$ $\frac{3}{12}$

Bls. 88

Próf

- 1 a $\frac{1}{2}$ b $\frac{3}{4}$ c $\frac{2}{5}$ d $\frac{2}{6}$ eða $\frac{1}{3}$

2 Dæmi um lausnir:



- 3 a $\frac{4}{13}$ b $\frac{8}{13}$

- 4 a $\frac{3}{7}$
 b Til dæmis $\frac{7}{8}$
 c Til dæmis $\frac{3}{6}$

- 5 a $\frac{1}{3}$ b $\frac{2}{3}$ c $\frac{7}{8}$

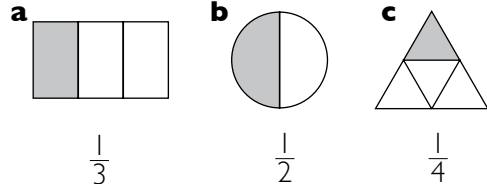
- 6 $\frac{1}{20}$, $\frac{1}{12}$, $\frac{1}{9}$, $\frac{1}{8}$, $\frac{1}{5}$, $\frac{1}{4}$, $\frac{1}{3}$, $\frac{1}{2}$

Bls. 89

Æfingasiða 1

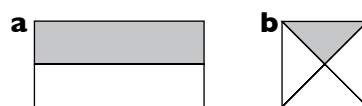
- 44 a $\frac{1}{2}$ c $\frac{1}{4}$
 b $\frac{1}{2}$ d $\frac{2}{8}$ eða $\frac{1}{4}$

45 Dæmi um lausnir:



- 46 a $\frac{5}{8}$ b $\frac{3}{8}$
 47 a $\frac{3}{4}$ b $\frac{7}{8}$ c $\frac{2}{3}$

48 Dæmi um lausnir:



Bls. 90

Æfingasiða 2

- 49 a $\frac{2}{6}$ eða $\frac{1}{3}$ b $\frac{4}{6}$ eða $\frac{2}{3}$ c $\frac{6}{6}$
 50 a $\frac{5}{10}$ eða $\frac{1}{2}$ b $\frac{5}{10}$ eða $\frac{1}{2}$ c $\frac{10}{10}$

51 a 3 **b** 6 **c** 2
5 1 4

52 a 4 **b** 8 **c** 2
3 7 6

53 a 9 **b** 12 **c** 11
4 15 5

Bls. 91

Geturðu þetta?

55 $\frac{4}{15}$

56 Tinna $\frac{1}{8}$ Mamma $\frac{1}{6}$ Birta $\frac{1}{6}$
Tómas $\frac{1}{4}$ Pabbi $\frac{1}{6}$ Ragnar $\frac{1}{8}$

II Reikningur

Bls. 93

1 a 50 mín. **b** 5 mín. **c** 40 mín.

2 a 0 mín. **c** 35 mín.
b 55 mín. **d** 45 mín.

3 a Án seinkunar 40 mín.
Með seinkun 30 mín.

b 1 klst.

c Án seinkunar 25 mín.
Með seinkun 55 mín.

d Án seinkunar 30 mín.
Með seinkun 35 mín.

Bls. 94

4 a 1293 kr. **c** 1453 kr. **e** 3425 kr.
b 2282 kr. **d** 3747 kr. **f** 1630 kr.

Bls. 95

5 a 191 **b** 463 **c** 345 **d** 394
1318 2724 1622 3756

6 a 5440 **b** 3122 **c** 4418 **d** 7565
8377 8443 8500 9846

Bls. 96

7 a 93 kr. **b** 2892 kr. **c** 1301 kr. **d** 3161 kr.

8 a 3162 kr. **b** 6083 kr. **c** 5165 kr. **d** 33 kr.

Bls. 97

9 a 1117 **b** 1385 **c** 3232 **d** 3122
2317 4266 1365 4462

10 a 4224 **b** 1174 **c** 6205 **d** 3363
4226 3253 4125 2137

Bls. 98

11 a

	+5 →					
+9	116	121	126	131	136	141
↓	125	130	135	140	145	150
	134	139	144	149	154	159
	143	148	153	158	163	168
	152	157	162	167	172	177

b

	+12 →					
+15	132	144	156	168	180	192
↓	147	159	171	183	195	207
	162	174	186	198	210	222
	177	189	201	213	225	237
	192	204	216	228	240	252

12 a 3283 **b** 3632 **c** 7524 **d** 621
7564 5963 7733 8623

13 a 9525 **b** 8544 **c** 9889 **d** 9681

14 a 4389 **b** 7783 **c** 2029 **d** 10 896

Bls. 99

15 a

	-12 →					
-9	250	238	226	214	202	190
↓	241	229	217	205	193	181
	232	220	208	196	184	172
	223	211	199	187	175	163
	214	202	190	178	166	154

b

	-15 →					
-24	350	335	320	305	290	275
↓	326	311	296	281	266	251
	302	287	272	257	242	227
	278	263	248	233	218	203
	254	239	224	209	194	179

16 a 2118 **b** 3016 **c** 65 **d** 2313
4214 2114 1158 4377

17 a 2274 **b** 5127 **c** 4181 **d** 5161
5214 4182 3372 1318

Bls. 100

19 a 2317 = 2 þúsund + 3 hundruð + 1 tugur + 7 einingar
4193 = 4 þúsund + 1 hundruð + 9 tugir + 3 einingar
8570 = 8 þúsund + 5 hundruð + 7 tugir + 0 einingar

b 7607 = 7 þúsund + 6 hundruð + 0 tugir + 7 einingar
3074 = 3 þúsund + 0 hundruð + 7 tugir + 4 einingar
440 = 0 þúsund + 4 hundruð + 4 tugir + 0 einingar

c 1145 = 1 þúsund + 1 hundruð + 4 tugir + 5 einingar
1204 = 1 þúsund + 2 hundruð + 0 tugir + 4 einingar
9345 = 9 þúsund + 3 hundruð + 4 tugir + 5 einingar

20 a $2125 = 2000 + 100 + 20 + 5$
 $4373 = 4000 + 300 + 70 + 3$
 $5280 = 5000 + 200 + 80 + 0$
 $3505 = 3000 + 500 + 0 + 5$

b $1898 = 1000 + 800 + 90 + 8$
 $8202 = 8000 + 200 + 0 + 2$
 $4430 = 4000 + 400 + 30 + 0$
 $1072 = 1000 + 0 + 70 + 2$

Bls. 101

21 a 2341 **b** 3572 **c** 4043

22 a 4512 **b** 3430 **c** 1082

23 a 5373 **b** 1330
 2147 5607
 3785 7078

24 Friðrik 7652

Bls. 102

25 a 50 **b** 50 **c** 80
 70 80 20
 60 40 40

26 a $40 + 10 = 50$ **c** $20 + 30 = 50$
 $20 + 20 = 40$ $40 + 30 = 70$

b $40 + 30 = 70$ **d** $20 + 40 = 60$
 $50 + 20 = 70$ $30 + 40 = 70$

27 a 19, 85, 67, 37, 98, 46
b 24, 73, 52
c 24 og 46, 73 og 67, 73 og 37, 52 og 98
d 24 og 98, 19 og 98, 73 og 52, 85 og 37, 52 og 67, 46 og 67, 46 og 73

Bls. 103

28 a 400 **b** 700 **c** 400 **d** 300
 700 500 400 500
 300 900 400 800

29 a grænn og appelsínugulur grænn og blár
b gulur og bleikur bleikur og appelsínugulur
 bleikur og blár rauður og grænn

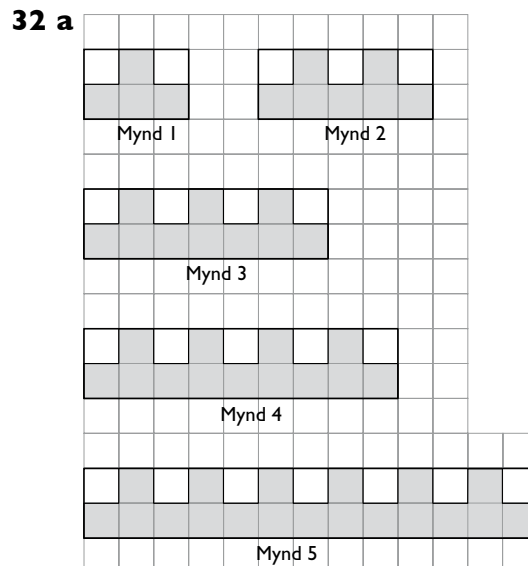
30 a $400 + 400 = 800$ **c** $400 + 300 = 700$
 $100 + 300 = 400$ $100 + 300 = 400$

b $600 + 200 = 800$
 $400 + 400 = 800$

31 a $400 - 200 = 200$ **c** $600 - 300 = 300$
 $500 - 300 = 200$ $600 - 200 = 400$

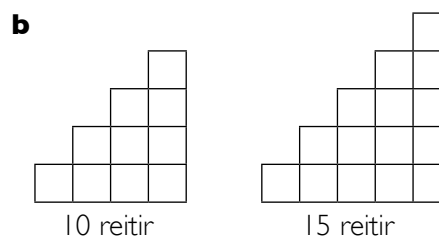
b $700 - 500 = 200$
 $900 - 600 = 300$

Bls. 104



b 7 hvítir, 19 bláir

33 a Mynd 1: 1 reitur
 Mynd 2: 3 reitir
 Mynd 3: 6 reitir



c 21 reitur

Bls. 105

34 a Mynd 1: 4 reitir
 Mynd 2: 8 reitir
 Mynd 3: 12 reitir

Myndir	1	2	3	4	5
Reitir	4	8	12	16	20

c 40

35 a Mynd 1: 6 reitir
 Mynd 2: 12 reitir
 Mynd 3: 18 reitir

Myndir	1	2	3	4	5
Reitir	6	12	18	24	30

c 60

Bls. 106

36 a 40 kr. **b** 100 kr. **c** 140 kr. **d** 400 kr.
 80 kr. 180 kr. 200 kr. 1000 kr.

37 a 16 NOK **b** 24 NOK **c** 64 NOK **d** 800 NOK
 32 NOK 40 NOK 80 NOK 400 NOK

38 a 14 NOK **b** 21 NOK **c** 56 NOK **d** 700 NOK
 28 NOK 35 NOK 70 NOK 350 NOK

39 a 300 kr. **b** 800 kr. **c** 580 kr. **d** 640 kr.

Bls. 107

40 a 3300 kr. **b** 2090 kr. **c** 2750 kr. **d** 6820 kr.

41 a 2400 kr. **b** 1760 kr. **c** 6240 kr.

Bls. 108

42 5 **43** 6 **44** 7

45 a 6 kr. **b** 4 kr. **c** 4 kr.

Bls. 109

46

2 jafn stóra hluta	3 jafn stóra hluta	4 jafn stóra hluta	5 jafn stóra hluta
2 22	3 21	4 20	5 25
4 24	6 24	8 24	10 30
6 26	9 27	12 28	15 35
8 28	12 30	16 32	20
10 30	15 33		
12 32	18 36		
14 34			
16 36			
18			
20			

6 jafn stóra hluta	7 jafn stóra hluta	8 jafn stóra hluta	9 jafn stóra hluta
6 24	7 28	8 24	9 27
12 30	14 35	16 32	18 36
18 36	21		

10 jafn stóra hluta	11 jafn stóra hluta	12 jafn stóra hluta	13 jafn stóra hluta
10 30	11 33	12 36	13
20	22	24	26

14 jafn stóra hluta	15 jafn stóra hluta	16 jafn stóra hluta	17 jafn stóra hluta
14	15	16	17
28	30	32	34

18 jafn stóra hluta
18
36

Ekki er hægt að skipta tölunum, sem eftir eru, í tvo eða fleiri jafn stóra hluta.

47 a $32 : 2 = 16$ **d** $27 : 3 = 9$
b $21 : 3 = 7$ **e** $28 : 4 = 7$
c $24 : 3 = 8$ **f** $36 : 4 = 9$

Bls. 110

48 a $2 \cdot 3 = 6$ **c** $1 \cdot 6 = 6$
 $4 \cdot 3 = 12$ $3 \cdot 6 = 18$
 $5 \cdot 3 = 15$ $5 \cdot 6 = 30$
 $6 \cdot 3 = 18$ $6 \cdot 6 = 36$
 $7 \cdot 3 = 21$ $7 \cdot 6 = 42$
 $8 \cdot 3 = 24$ $9 \cdot 6 = 54$
 $10 \cdot 3 = 30$ $10 \cdot 6 = 60$

b $1 \cdot 7 = 7$ **d** $2 \cdot 9 = 18$
 $2 \cdot 7 = 14$ $3 \cdot 9 = 27$
 $4 \cdot 7 = 28$ $5 \cdot 9 = 45$
 $5 \cdot 7 = 35$ $6 \cdot 9 = 54$
 $7 \cdot 7 = 49$ $7 \cdot 9 = 63$
 $8 \cdot 7 = 56$ $9 \cdot 9 = 81$
 $10 \cdot 7 = 70$ $10 \cdot 9 = 90$

Bls. 111

49 a 20 **b** 36 **c** 30 **d** 42
 14 72 24 56
 27 15 24 48

50 a 45 **b** 64 **c** 28 **d** 49
 42 63 27 54
 48 35 36 90

51 a 5 **b** 9 **c** 8 **d** 6
 8 4 7 8
 6 6 6 7

Bls. 112

Próf

1 a 386 **b** 180 **c** 401 **d** 434
 5697 5782 7728 9545

2 a 234 **b** 156 **c** 265 **d** 152
 1322 2125 4162 3275

3 a $16 : 2 = 8$ **c** $30 : 3 = 10$
b $21 : 3 = 7$ **d** $28 : 4 = 7$

4 a 25 **b** 40 **c** 4 **d** 6
 36 42 9 6
 21 63 8 7

Bls. 113

Æfingasíða I

52 a -10		+10	b -100		+100
25	35	45	117	217	317
53	63	73	85	185	285
131	141	151	240	340	440
148	158	168	306	406	506
169	179	189	581	681	781
224	234	244	677	777	877

- 53 a** 265 **b** 413 **c** 443 **d** 812
- 54 a** 3428 **b** 5325 **c** 4391 **d** 4801
7569 7657 9385 5714
- 55 a** 320 **b** 305 **c** 441 **d** 207
1381 1275 3082 2405

Bls. 114

Æfingasiða 2

- 56 a** 1126 **b** 2253 **c** 2222 **d** 980
- 57 a** 1223 **b** 2235 **c** 1135 **d** 1880
- 58 a** 325 **b** 236 **c** 176 **d** 1855
- 59 a** 24, 30, 36, 42, 48, 54, 60
28, 35, 42, 49, 56, 63, 70
32, 40, 48, 56, 64, 72, 80
- b** 99, 88, 77, 66, 55, 44, 33
335, 328, 321, 314, 307, 300, 293
65, 69, 74, 80, 87, 95, 104

60 a $\begin{array}{r} 140 \text{ kr.} \\ + 550 \text{ kr.} \\ \hline 690 \text{ kr.} \end{array}$ **b** $\begin{array}{r} 280 \text{ kr.} \\ + 1100 \text{ kr.} \\ \hline 1380 \text{ kr.} \end{array}$ **c** $\begin{array}{r} 500 \text{ kr.} \\ + 770 \text{ kr.} \\ \hline 1270 \text{ kr.} \end{array}$

61 Kata á 1200 kr. Þóra á 800 kr.

Bls. 115




Geturðu þetta?

- 62** Um það bil 20 klukkustundir
- 63** Um það bil 24 sólarhringa
- 64** 275 km á dag
- 65 a** Um það bil 105 daga
b Um það bil 524 km á dag




12 Tölfræði

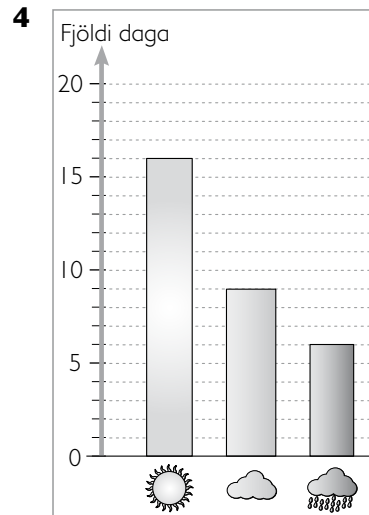
Bls. 118

2

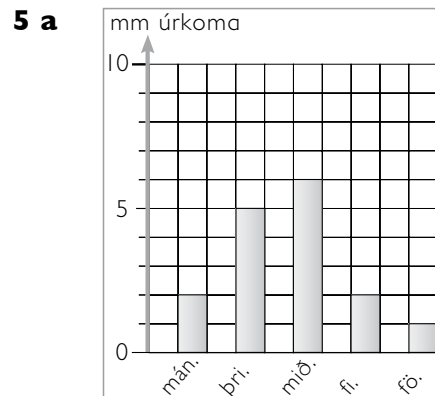
Veður	Fjöldi daga
	16
	6
	9

3

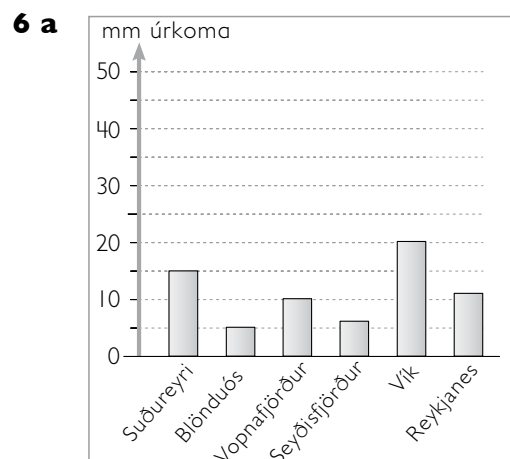
Veður	Fjöldi daga
	11
	15
	4



Bls. 119



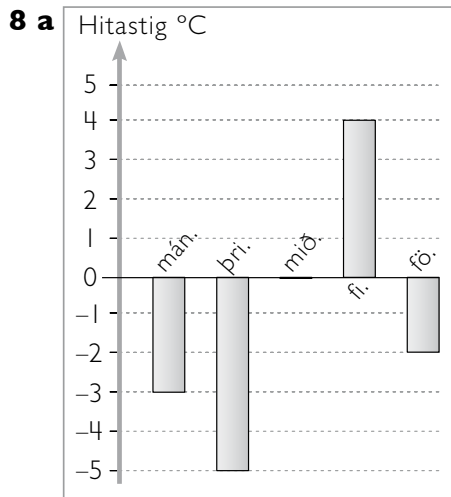
b Á miðvikudegi **c** Á föstudegi **d** 16 mm



b Vík í Mýrdal **c** Á Blönduósi **d** 15 mm

Bls. 120

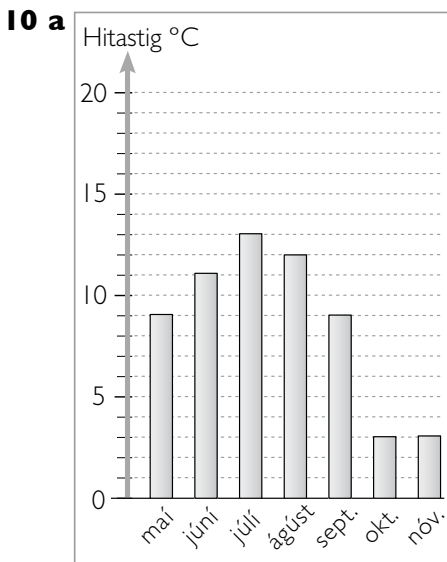
7 a Á mánudegi **b** Á miðvikudegi **c** 5 °C



b 9 °C

Bls. 121

9 a Nóvember **b** Júlí **c** 12 °C

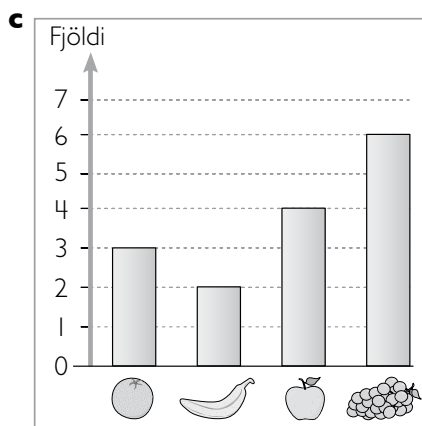


b Ágúst **c** Um 9 gráður °C **d** Um 1 gráður °C

* Í Reykjavík í október og nóvember
Höfn í júlí og ágúst

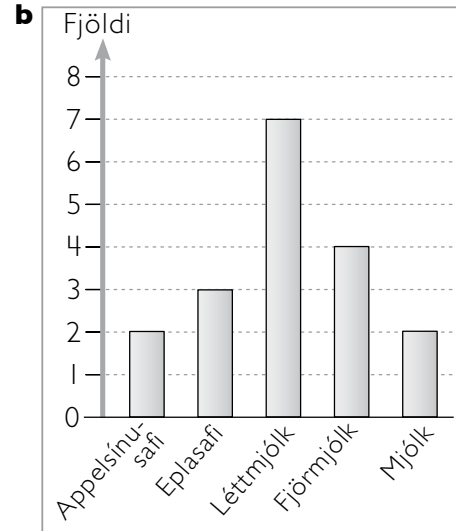
Bls. 122

11 a Vínber **b** 15



12 a

Safi	Fjöldi
Appelsínusafi	2
Eplasafi	3
Léttmjólk	7
Fjörmjólk	4
Mjólk	2



Bls. 123

14 a 11 **b** 3

c

Fjöldi brauðsneiða	Fjöldi nestisþakka
1	5
2	11
3	17
4	12
5	2

15 a 5

b Brauðostur

c 27

Bls. 124

16 a 9

b 4

c

Nafn	1	2	3	4	5	6	7	8	9
Atli	2	2	3	3	4	6	7	8	9
Benjamín	5	5	5	6	6	6	7	7	8
Kata	1	2	2	5	8	9	9	9	10
Stína	4	5	6	6	6	7	7	8	8

d • Kata, Atli, Stína, Benjamín

• Kata, Atli, Benjamín og Stína,

• Stína og Kata, Benjamín, Atli

e Stína 57

Kata og Benjamín 55

Atli 44

Bls. 125

- 17 a** Eva 7, 20, 33, 35, 57
 Friðrik 10, 20, 25, 41, 58
 Gunnar 10, 25, 33, 35, 41
b Friðrik
c Eva
d Friðrik 154
 Eva 152
 Gunnar 144

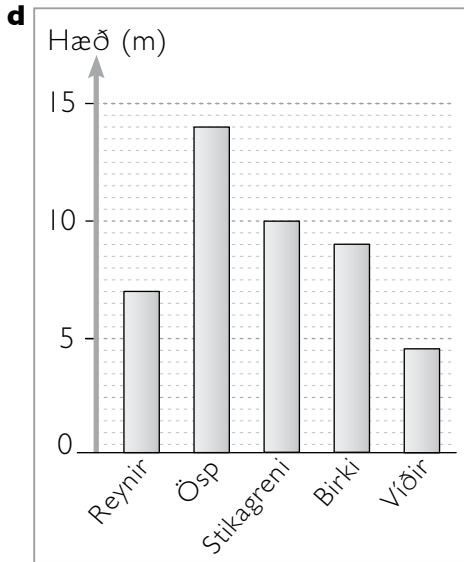
- 18 a** 29, 36, 51, 57, 60, 68, 72
 57 í miðjunni
b 107, 115, 117, 151, 157, 171, 175
 151 í miðjunni
c 628, 680, 682, 686, 806, 826, 861
 682 í miðjunni
d 1034, 1043, 1114, 1140, 1304, 1341, 1403
 1140 í miðjunni
e 6169, 6196, 6619, 6691, 6916, 6919, 6961
 6691 í miðjunni

Bls. 126

Próf

- 1 a** 14 **c** Pítsa **e** 54
b 5 **d** 1

- 2 a** Ösp **b** Víðir **c** 10 cm



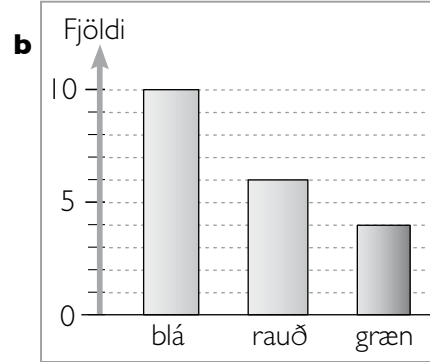
- 3 a** 256, 265, 326, 352, 365, 536, 562
 352 í miðjunni
b 1290, 1902, 1909, 1921, 2019, 2091, 2109
 1921 í miðjunni

Bls. 127

Æfingasíða I

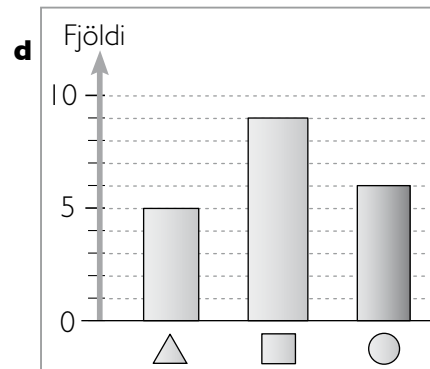
19 a

Litur	Fjöldi
Blá	10
Rauð	6
Græn	4



c

Mynd	Fjöldi
Þríhyrningar	5
Ferhyrningar	9
Hringir	6



- 20 a** Hans 30 km, Ída 35 km, Jón 30 km,
 Kata 50 km, Lárus 15 km, María 45 km.
b Kata **c** 20 km **d** 75 km

Bls. 128

Geturðu þetta?

- 21** Oddur 120 cm
 Geir 125 cm
 Sverrir 130 cm
 Stígur 135 cm
 Þór 140 cm