



4b

Nemendahefti

Lausnir

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7 Ummál og flatarmál

Bls. 5

- 1 a 12 reiti b 6 reiti c 27 reiti
 2 a 17 cm c 16 cm e 16 cm
 b 13,5 cm d 60 cm f u.þ.b. 8 cm
 3 a 80 m c 120 m
 b 75 m d 70 m

Bls. 7

- 5 a 12 cm b 12 cm
 6 a 12 cm b 14 cm c 16 cm
 7 a 12 cm b 24 cm c 16 cm

Bls. 8

- 8 a 20 cm c 32 cm e 28 cm
 b 18 cm d 20 cm

Bls. 9

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

Bls. 10

Mismunandi svör.

Bls. 11

- 12 a A 6 C 7
 B 9 D 16

Bls. 12

- 13 a 48 c 91 e 84
 b 45 d 48

Bls. 13

- 14 a 2 b 5 c 8

Bls. 15

- 15 a 6 b 8 c 8,5

Bls. 14

- 16 a 20 m² c 18 m² e 16 m² g 183 m²
 b 18 m² d 28 m² f 71 m²

Bls. 15

- 17 a Á skrifborðinu b Teppid c Skrifborðið

Bls. 16

- 20 A 28 B 20 C 45 D 45

Bls. 17

- 21 A 12 B 16 C 16 D 45

Bls. 18

- 22 b 15 cm², 24 cm², 39 cm²

Bls. 19

- 23 A 32 cm² B 32 cm² C 16 cm² D 15 cm² E 29 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

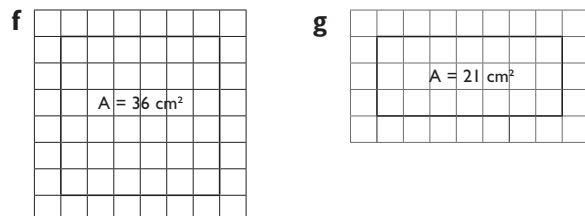
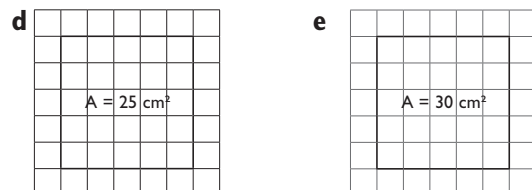
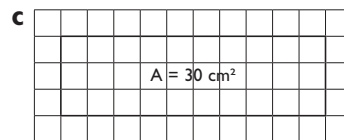
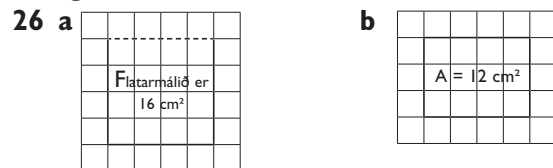
Bls. 21

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



Bls. 23

Við vinnum saman

- 27 A 21 cm² C 24 cm² E 20 cm²
 B 18 cm² D 16 cm²
 28 A 40 cm² C 32 cm²
 B 34 cm² D 38 cm²

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 afgang d $20 : 4 = 5$
b $16 : 4 = 4$ e $13 : 4 = 3$ og 1 afgang
c $12 : 4 = 3$

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

Bls. 27

- 6** a 3 c 10
b 5 d 8 pör, 1 afgang

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

Bls. 28

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

- c $2 \cdot 8 \text{ kr.} = 16 \text{ kr.}$
 $5 \cdot 8 \text{ kr.} = 40 \text{ kr.}$
 $6 \cdot 8 \text{ kr.} = 48 \text{ kr.}$

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

- b $50 : 5 = 10$ 10 mjólkurfurnur
 $50 : 8 = 6$ og 2 afgang 6 rúnnstykki
 $50 : 7 = 7$ og 1 afgang 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 e 20 i 28 m 24
b 10 f 20 j 28 n 24
c 12 g 15 k 35 o 24
d 12 h 15 l 35 p 24

Bls. 32

- 14** a 80 b 91

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 c 12 e 20 g 36
b 8 d 18 f 21 h 32

- 18** a 14 c 18 e 42 g 27
b 25 d 16 f 36 h 64

- 19** a 24 c 28 e 54 g 81
b 48 d 30 f 40 h 63

- 20** a 35 c 42 e 9 g 18
b 56 d 45 f 12 h 48

- 21** a 24 c 72 e 27 g 45
b 15 d 32 f 49 h 54

Bls. 35

- 22** a $80 - 100 - 120 - 140$ e $1200 - 1500 - 1800 - 2100$
b $120 - 150 - 180$ f $2000 - 2500 - 3000 - 3500$
c $440 - 550 - 660 - 770$ g $240 - 300 - 360$
d $160 - 200 - 240$ h $8000 - 10000 - 12000 - 14000$

- 23** a 90 c 200 e 160 g 250
b 80 d 180 f 300 h 210

- 24** a 400 b 600 c 1000 d 1200
e 1800 f 3500 g 2400 h 3600

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 2 d 3 g 7
b 5 e 3 h 7
c 5 f 24 i 7

Bls. 38

- 29 a 12 b 16 c 18
52 176 180
742 1776 1800
30 a 6 d 7 g 3
b 6 e 70 h 13
c 6 f 70 i 125

31

.	1	11	111	1111
1	1	11	111	1111
11	11	121	1221	12221
111	111	1221	12321	123321
1111	1111	12221	123321	1234321

Bls. 39

- 32 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.
33 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.
34 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.
35 a T.d. 5, 8, 11, 14, 17 o.s.frv.
b T.d. 40, 44, 48, 52 o.s.frv.

Bls. 40

- 36 42 kr.
37 280 kr.
38 80
39 72 hjól
40 104

Bls. 41

- 41 12 sæti
42 5 stykki

- 43 7 (9 kr. í afgang)

- 44 167 kg

- 45 1368

Bls. 42

- 46 15

- 47 20

- 48 40

- 49 10

- 50 60

- 51 a 10 b 6000 kr. c 100 kr.

Bls. 43

- 52 Hér geta svör nemenda verið mismunandi.

53 a

pakkaverð	íspakki	súkkulaði	flögur
fjöldi pakka	2	3	4
samtsals stykki	20	24	20
Samtsals magnkaup	1600 kr.	1200 kr.	1200 kr.

b

stykki/pakki	ís	súkkulaði	flögur
fjöldi stykkja	20	20	20
samtsals stykkjatal	2000 kr.	1400 kr.	1600 kr.
Samtsals magnkaup	1600 kr.	1200 kr.	1200 kr.
Sparnaður	400 kr.	200 kr.	400 kr.

Sparnaður samtsals	1000 kr.		
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- 54 300 kr.

Bls. 44

Próf

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

- 2 a $3 \cdot 5 = 15$ c $6 \cdot 7 = 42$
b $5 \cdot 8 = 40$ d $4 \cdot 8 = 32$

- 3 a 24 d 49 g 3 j 7
b 14 e 60 h 9 k 8
c 16 f 80 i 6 l 9

- 4 84 egg

Bls. 45

Æfingasíða 1

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

- 56 a $6 \cdot 2 = 12$ c $5 \cdot 5 = 25$
b $5 \cdot 3 = 15$ d $6 \cdot 4 = 24$

Bls. 46

Æfingasíða 2

- 57 a 24 d 1 g 5
b 45 e 8 h 7
c 36 f 4 i 11

- 58** a 2 d 48 g 4
b 9 e 56 h 5
c 5 f 72 i 9

- 59** 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

Við vinnum saman

- 60** 819 cm
61 Rauða 4 km, bláa 8 km
62 4 vínber
63 6 rútur en þá verða 13 ónotuð sæti
64 46 kr.

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	30 dl/3 l
	ger	50 g	100 g	500 g
	sykur	50 g	100 g	500 g
	smjör	100 g	200 g	1000g/1 kg
	salt	0,5 tsk.	1 tsk.	5 tsk.

Bls. 50

- 2** a 8 egg
12 msk. sykur
800 g hveiti
2 tsk. lyftiduft
2 l mjólk
16 msk. brætt smjör
1 tsk. kardemommur
b 2 egg
3 msk. sykur
200 g hveiti
0,5 tsk. lyftiduft
5 dl mjólk
4 msk. brætt smjör
0,25 tsk. kardemommur
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 1000 g c 1500 g e 2000 g
b 5000 g d 3000 g f 500 g
4 a 1 kg c 0,3 kg e 3 kg
b 2,5 kg d 0,8 kg f 0,7 kg

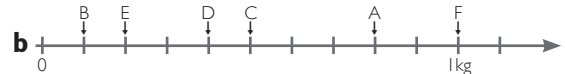
- 5** a 3 kg d 1,5 kg g 0,8 kg j 7,2 kg
b 8 kg e 0,4 kg h 0,2 kg k 5,1 kg
c 5 kg f 2,3 kg i 3,4 kg l 0,3 kg

Bls. 52

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

Bls. 53

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



- 9** a A 0,3 kg = 300 g D 1,6 kg = 1600 g
B 0,8 kg = 800 g E 2,1 kg = 2100 g
C 1,3 kg = 1300 g F 2,9 kg = 2900 g

10 a	grömm	kg	b	grömm	kg	c	grömm	kg
	2000 g	2		3000 g	3		3500 g	3,5
	4000 g	4		2500 g	2,5		900 g	0,9
	7000 g	7		800 g	0,8		400 g	0,4
	5000 g	0,5		2000 g	2		1700 g	1,7

- 11** a 1500 g
b 800 g

Bls. 54

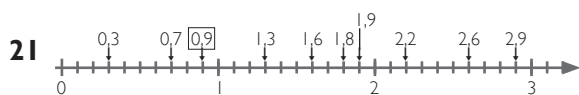
- 13** a 10 dl b 15 dl c 5 dl d 3 dl
14 a 0,2 l c 0,8 l e 0,1 l g 1,8 l
b 0,5 l d 1 l f 1,4 l h 2,7 l

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
17 a 7 dl, 0,7 l e 9 dl, 0,9 l
b 5 dl, 0,5 l f 13 dl, 1,3 l
c 10 dl, 1 l g 15 dl, 1,5 l
d 9 dl, 0,9 l h 21 dl, 2,1 l
18 a 1,3 l d 1,9 l
b 3,2 l e 5,2 l
c 2,5 l f 3,9 l

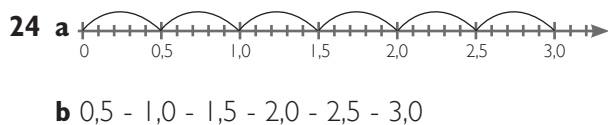
- 19** a A 0,4 l = 4 dl C 1,2 l = 12 dl E 1,8 l = 18 dl
B 0,8 l = 8 dl D 1,5 l = 15 dl

- 20 a** A 0,2 l = 2 dl E 2,6 l = 26 dl
 B 0,6 l = 6 dl F 3,2 l = 32 dl
 C 1,1 l = 11 dl G 3,6 l = 36 dl
 D 1,6 l = 16 dl H 3,9 l = 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



- 25 a** 1,1 - 1,3 - 1,5 - 1,7
b 1,5 - 2,1 - 2,7 - 3,3
c 5,8 - 8,1 - 10,4 - 12,7

Bls. 58

- 26 a** 1,8 lítrar
b 9 dl
- 27 a** 7 fötur
b 17,3 lítrar
- 28 a** 14,3 lítrar
b 2 l og 5 dl

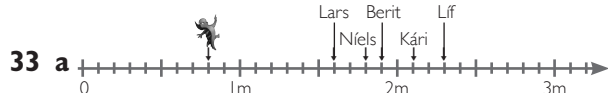
- 29 a** 37 l

Bls. 59

- 31 a** sólhlífin
b hurðin
c 1 dm

Bls. 60

- 32 a** Líf



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

34

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
Póra	28 dm	2,8 m
Magnús	35 dm	3,5 m

Bls. 61

- 35 a** 1 m **d** 0,4 m **g** 0,1 m **j** 0,3 m
b 1,5 m **e** 0,8 m **h** 3,1 m **k** 0,9 m
c 2,1 m **f** 1,2 m **i** 6,4 m **l** 7,3 m

- 36 a** 6 dm, 0,6 m **e** 14 dm, 1,4 m **i** 31 dm, 3,1 m
b 8 dm, 0,8 m **f** 17 dm, 1,7 m **j** 43 dm, 4,3 m
c 9 dm, 0,9 m **g** 15 dm, 1,5 m **k** 34 dm, 3,4 m
d 10 dm, 1 m **h** 15 dm, 1,5 m **l** 42 dm, 4,2 m

- 37 a** 0,6 m, 6 dm **d** 1,3 m, 13 dm **g** 1,6 m, 16 dm
b 0,9 m, 9 dm **e** 1,3 m, 13 dm **h** 2,9 m, 29 dm
c 1,5 m, 15 dm **f** 1,5 m, 15 dm **i** 4,2 m, 42 dm

- 38** 10 dm eða 1 m

Bls. 62



- b** 0,4 m - 0,8 m - 1,2 m - 1,6 m - 2,0 m

40 a

Skref í hoppi	Byrjunar-tala	1. hopp	2. hopp	3. hopp
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

40 b

Skref í hoppi	Byrjunar-tala	1. hopp	2. hopp	3. hopp
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

- 41 a** 1,2 - 1,5 - 1,8 - 2,1 **d** 4,5 - 5,5 - 6,5 - 7,5
b 5,6 - 6,1 - 6,6 - 7,1 **e** 4,1 - 4,5 - 4,9 - 5,3
c 9,3 - 9,9 - 10,5 - 11,1 **f** 15 - 16,1 - 17,2 - 18,3

42	Þau borðuðu	Þau eiga eftir	Þau 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

43 A–B 82 mm = 8,2 cm K–L 39 mm = 3,9 cm
 C–D 56 mm = 5,6 cm M–N 113 mm = 11,3 cm
 E–F 98 mm = 9,8 cm O–P 152 mm = 15,2 cm
 G–H 31 mm = 3,1 cm

44 **a** 1 cm **d** 2,3 cm **g** 1,9 cm **j** 12,4 cm
b 3 cm **e** 1,4 cm **h** 5,4 cm **k** 10,7 cm
c 1,5 cm **f** 0,1 cm **i** 25,3 cm **l** 20,1 cm

Bls. 64

45			Ummál
Mynd	Lengd hliðanna		cm
A	5,5 cm + 5,4 cm + 5,5 cm + 5,4 cm		21,8 cm
B	16,3 cm + 16,3 cm + 4,2 cm + 4,2 cm		41 cm
C	7,0 cm + 5,2 cm + 8,6 cm		20,8 cm
D	4,9 cm + 2,5 cm + 4,5 cm + 3,1 cm + 4 cm		19 cm
E	11,0 cm + 2,5 cm + 3,9 cm + 4,0 cm + 4,5 cm + 2,5 cm		28,4 cm

Bls. 65

46	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	7,2 cm	3,8 cm	7,2 cm	3,8 cm	22,0 cm

47	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	24,2 cm
	C	2,7 cm	6,5 cm	2,7 cm	6,5 cm	18,4 cm
	D	6,7 cm	4,7 cm	6,7 cm	4,7 cm	22,8 cm

Bls. 66

Próf

1 **a** 0,4 l **b** 1,2 l **c** 2,6 l

2 **a** 5,3 cm **b** 9,4 cm **c** 11,9 cm

3 A 0,3 C 0,8 D 1,2 E 1,7
 B 0,7

4 **a** 0,3 kg **b** 0,9 kg **c** 1,3 kg

5 **a** 0,2 - 0,7 - 1,2 - 2,1 - 3,0
b 1,6 - 5,6 - 6,3 - 9,1 - 16,3

Bls. 67

Æfingasíða 1



49 **a** 1 kg **c** 2 kg **e** 0,8 kg **g** 1,5 kg
b 0,5 kg **d** 4 kg **f** 0,2 kg **h** 2,2 kg

50 **a** 5 dl, 0,5 l **d** 9 dl, 0,9 l **g** 14 dl, 1,4 l
b 10 dl, 1 l **e** 13 dl, 1,3 l **h** 16 dl, 1,6 l
c 15 dl, 1,5 l **f** 20 dl, 2 l **i** 18 dl, 1,8 l

51 **a** AB = 6,2 cm eða 62 mm **b** 10,3 cm eða 103 mm
 CD = 4,1 cm eða 41 mm

Bls. 68

Æfingasíða 2

53 a 1 c 0,4 e 1,1
b 0,9 d 0,8 f 2,6

54 a 1,2 c 0,7 e 3,4
b 1,5 d 1 f 1,8

55 a AB = 41 mm, 4,1 cm b 102 mm, 10,2 cm
CD = 61 mm, 6,1 cm c 20 mm, 2,0 cm

56 a 1,6 - 2,0 - 2,4 c 1,8 - 2,3 - 2,8
b 4,0 - 4,9 - 5,8 d 4,0 - 2,9 - 1,8

57 a

	+0,3
5,3	5,6
4,0	4,3
1,2	1,5
0,8	1,1
0,9	1,2
4,2	4,5
1,8	2,1
9,9	10,2

b

	+1,4
0,2	1,6
4,2	5,6
5,4	6,8
1,9	3,3
5,6	7,0
7,3	8,7
8,7	10,1

c

	+2,7
0,3	3,0
2,1	4,8
5,1	7,8
6,9	9,6
4,2	6,9
2,8	5,5
10,4	13,1

Bls. 69

Við vinnum saman

- 58 Bleikur poki 0,4 kg
Blár poki 0,2 kg
Gulur poki 0,6 kg
Grænn poki 0,6 kg
Fjólublár poki 0,2 kg
Appelsínugulur poki 0,5 kg

- 59 a 2 pokar; annaðhvort grænir eða gulir
+ 1 poki fjólublár eða blár
b 3 pokar; annaðhvort grænir eða gulir
+ 1 appelsínugulur poki

10 Almenn brot

Bls. 71

I a Björk $\frac{1}{4}$ c Björk $\frac{2}{4}$ eða $\frac{1}{2}$
Tómas $\frac{3}{4}$ Tómas $\frac{5}{6}$
Anja $\frac{2}{4}$ eða $\frac{1}{2}$ Anja $\frac{1}{2}$
Karl $\frac{4}{4}$ eða allt Karl $\frac{4}{6} = \frac{2}{3}$

b Björk $\frac{3}{4}$ d Björk $\frac{2}{4}$ eða $\frac{1}{2}$
Tómas $\frac{1}{4}$ Tómas $\frac{1}{6}$
Anja $\frac{2}{4}$ eða $\frac{1}{2}$ Anja $\frac{1}{2}$
Karl 0 Karl $\frac{2}{6}$ eða $\frac{1}{3}$

- 2 a Tómas fær 4 kökur; Anja 4.
b $\frac{1}{3}$ c $\frac{1}{6}$ d $\frac{1}{4}$ d 3 kökur

Bls. 72

3 a $\frac{3}{9}$ eða $\frac{1}{3}$ c $\frac{7}{14}$ eða $\frac{1}{2}$
b $\frac{4}{12}$ eða $\frac{1}{3}$
4 a $\frac{5}{12}$ b $\frac{5}{14}$ c $\frac{6}{10}$ eða $\frac{3}{5}$
5 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

6 a $\frac{1}{4}$ b $\frac{1}{2}$ c $\frac{1}{2}$
7 a $\frac{1}{4}$ b $\frac{1}{5}$ c $\frac{1}{6}$
8 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. 74

10 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 $\frac{1}{4}$
11 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. 75

- 13 a Helmingur af lengdinni.
b Fjórðungur af lengdinni.

14 Þriðjungur af lengdinni.

15 60 cm

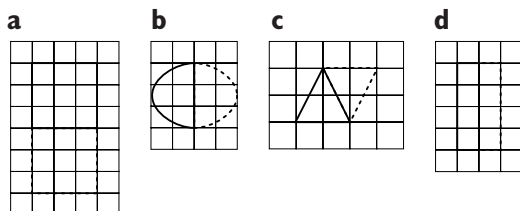
16 100 cm

Bls. 76

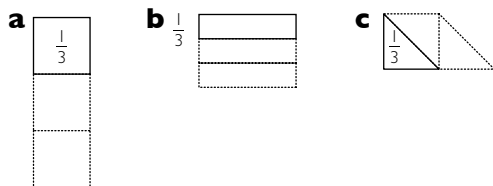
- 17 a $\frac{1}{5}$
b $\frac{1}{8}$
c $\frac{1}{12}$

Bls. 77

18 Dæmi um lausnir:



19 Dæmi um lausnir:



- 20 a b c

21 20 nemendur

Bls. 78

- 22 a $\frac{1}{3}$ b $\frac{1}{7}$ c $\frac{2}{5}$
23 a $\frac{3}{9}$ b $\frac{7}{12}$ c $\frac{6}{24}$
24 a $\frac{1}{2}, \frac{2}{4}, \frac{5}{10}$ b $\frac{3}{9}, \frac{4}{12}$
c $\frac{3}{3}, \frac{10}{10}$

Bls. 79

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

$$Að \frac{2}{8} + \frac{2}{8} = \frac{4}{8}$$

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

Bls. 80

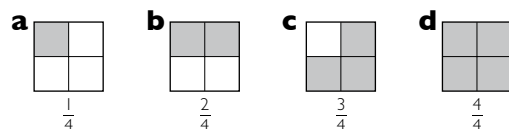
- 29 $\frac{5}{10}$ og $\frac{4}{8}$
30 $\frac{1}{3}$ og $\frac{2}{6}$
 $\frac{2}{3}$ og $\frac{4}{6}$
 $\frac{6}{8}$ og $\frac{3}{4}$
 $\frac{2}{4}$ og $\frac{4}{8}$

Bls. 81

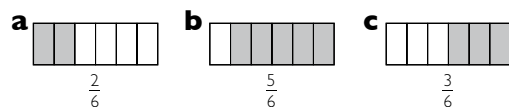
- 31 $\frac{1}{5}$ = myndir A og H $\frac{1}{2}$ = C, E og F
 $\frac{1}{4}$ = myndir B, D og L $\frac{2}{3}$ = J
 $\frac{1}{3}$ = G, I og K

Bls. 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 $\frac{1}{4} > \frac{1}{8}$ c $\frac{1}{5} > \frac{1}{9}$ e $\frac{2}{5} > \frac{2}{6}$
b $\frac{1}{6} > \frac{1}{12}$ d $\frac{1}{3} > \frac{1}{4}$ f $\frac{4}{8} > \frac{4}{12}$

Bls. 85

38 a $\frac{1}{8} < \frac{1}{6}$ c $\frac{1}{4} > \frac{1}{6}$ e $\frac{1}{3} > \frac{1}{4}$
b $\frac{1}{7} < \frac{1}{5}$ d $\frac{1}{6} > \frac{1}{7}$ f $\frac{1}{9} > \frac{1}{10}$

39 a $\frac{1}{4} > \frac{1}{8}$ c $\frac{1}{14} < \frac{1}{9}$ e $\frac{1}{10} < \frac{1}{5}$
b $\frac{1}{12} > \frac{1}{20}$ d $\frac{1}{8} > \frac{1}{10}$ f $\frac{1}{3} > \frac{1}{9}$

40 a $\frac{2}{3} > \frac{2}{5}$ c $\frac{4}{12} < \frac{4}{6}$ e $\frac{7}{8} > \frac{1}{10}$
b $\frac{3}{6} > \frac{3}{9}$ d $\frac{5}{16} < \frac{5}{6}$ f $\frac{8}{9} > \frac{8}{16}$

41 a $\frac{2}{5} < \frac{3}{6}$ c $\frac{3}{9} > \frac{1}{20}$ e $\frac{2}{5} > \frac{4}{20}$
b $\frac{4}{5} > \frac{1}{12}$ d $\frac{1}{10} < \frac{2}{8}$ f $\frac{3}{12} < \frac{1}{3}$

Bls. 86

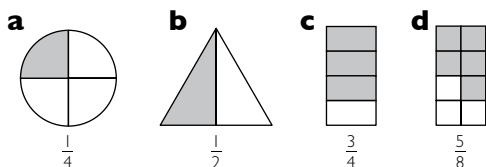
43 $\frac{1}{3}$
44 $\frac{2}{5}$
45 a $\frac{3}{6}$
b $\frac{3}{6}$
46 15

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 $\frac{1}{3}$ og $\frac{2}{6}$ þ.e. A og D

5 a $\frac{1}{3} > \frac{1}{5}$ b $\frac{2}{3} > \frac{2}{5}$ c $\frac{7}{10} < \frac{7}{8}$

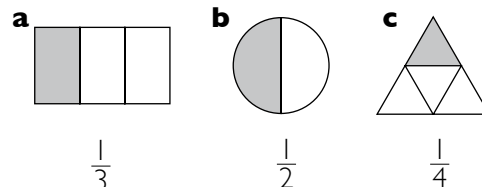
6 $\frac{1}{20}, \frac{1}{12}, \frac{1}{9}, \frac{1}{8}, \frac{1}{5}, \frac{1}{4}, \frac{1}{3}, \frac{1}{2}$

Bls. 89

Æfingaráð 1

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

48 Dæmi um lausnir:



49 a $\frac{5}{8}$ b $\frac{3}{8}$

50 a $\frac{3}{4} > \frac{2}{4}$ b $\frac{6}{8} < \frac{7}{8}$ c $\frac{2}{3} > \frac{1}{3}$

51 Dæmi um lausnir:



Bls. 90

Æfingaráð 2

52 a $\frac{2}{6}$ eða $\frac{1}{3}$ b $\frac{4}{6}$ eða $\frac{2}{3}$ c $\frac{6}{6}$

53 a $\frac{5}{10}$ eða $\frac{1}{2}$ b $\frac{5}{10}$ eða $\frac{1}{2}$ c 10

54 a 3 c 6 e 2

b 5 d 1 f 4

55 a 4 c 8 e 2

b 3 d 7 f 6

56 a 9 c 12 e 11

b 4 d 15 f 5

Bls. 91

Við vinnum saman

57 $\frac{4}{15}$

58 Tinna $\frac{1}{6}$ Mamma $\frac{1}{6}$ Birta $\frac{1}{6}$

Tómas $\frac{2}{6}$ Pabbi $\frac{1}{6}$

59 a $\frac{3}{6}$ c 80 km

II Reikningur

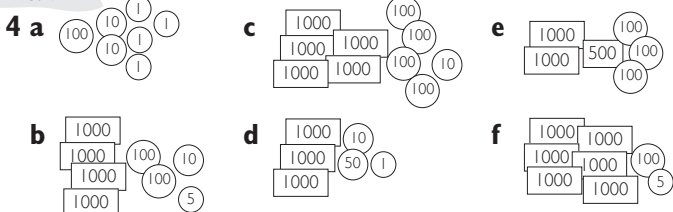
Bls. 93

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 15 mín.

Bls. 94



5 a $2000 + 300 + 10 + 7$
b $8000 + 500 + 70$
c $3000 + 70 + 4$
d $400 + 40$
e $1000 + 100 + 40 + 5$
f $1000 + 200 + 4$

6 a $2125 = 2000 + 100 + 20 + 5$
b $4373 = 4000 + 300 + 70 + 3$
c $5280 = 5000 + 200 + 80 + 0$
d $8202 = 8000 + 200 + 0 + 2$
e $1898 = 1000 + 800 + 90 + 8$
f $1072 = 1000 + 0 + 70 + 2$

7 a 3586 e 3476 i 3886
b 3566 f 4576 j 3266
c 3776 g 1576 k 3980
d 3376 h 5576 l 3172

Bls. 95

8 a 2341 b 3572 c 4043

9 a 3511 b 3430 c 81

10 a 5373 c 3750
b 2147 d 1330

11 a Friðrik 7652 c 7534 og 7521
b Anna 5127 eða 5734 og 5721
það munar lí

Bls. 96

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

Bls. 97

13 a 191 c 463 e 345 g 394
b 1318 d 2724 f 1622 h 3756

14 a 5440 c 3122 e 4418 g 7565
b 8377 d 8443 f 8500 h 9846

15 2655 kr.

Bls. 98

16 a 93 kr. b 2892 kr. c 1301 kr. d 3161 kr.

17 a 3162 kr. b 6083 kr. c 5165 kr. d 33 kr.

Bls. 99

18 a 1117 c 1385 e 3232 g 3122
b 2317 d 4266 f 1365 h 4462

19 a 4224 c 1174 e 6205 g 3363
b 4226 d 3253 f 4125 h 2137

20 3157 kr.

Bls. 100

21 a 50 d 50 g 80
b 70 e 80 h 20
c 60 f 40 i 40

22 a $40 + 10 = 50$ e $20 + 30 = 50$
b $20 + 20 = 40$ f $40 + 30 = 70$
c $40 + 30 = 70$ g $20 + 40 = 60$
d $50 + 20 = 70$ h $30 + 40 = 70$

23 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, 85 og 37, 52 og 67

Bls. 101

24 a 400 d 700 g 400 j 300
b 700 e 500 h 400 k 500
c 300 f 900 i 400 l 800

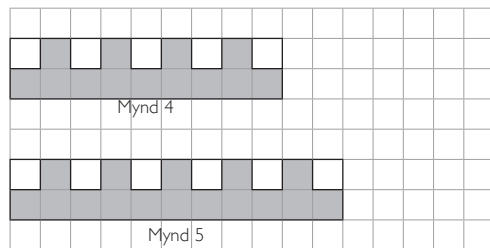
25 a grænn og appelsínugulur (475) grænn og blár (504)
b gulur og bleikur (752) bleikur og appelsínugulur (789)
bleikur og blár (818) rauður og grænn (780)

26 a $400 + 400 = 800$ d $400 + 400 = 800$
b $100 + 300 = 400$ e $400 + 300 = 700$
c $600 + 200 = 800$ f $100 + 300 = 400$

- 27 a** $400 - 200 = 200$ **d** $900 - 600 = 300$
b $500 - 300 = 200$ **e** $600 - 300 = 300$
c $700 - 500 = 200$ **f** $600 - 200 = 400$

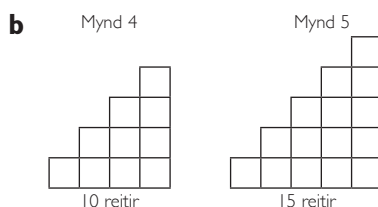
Bls. 102

28



- a** Í mynd 4 eru 5 hvítir og 13 litaðir
Í mynd 5 eru 6 hvítir og 16 litaðir
b Í mynd 8 eru 9 hvítir og 25 litaðir

- 29 a** Mynd 1: 1 reitur
Mynd 2: 3 reitir
Mynd 3: 6 reitir



- c** 35 reitir

Bls. 103

- 30 a** Mynd 1: 4 reitir
Mynd 2: 8 reitir
Mynd 3: 12 reitir

b

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

- c** 40

- 31 a** Mynd 1: 6 reitir
Mynd 2: 12 reitir
Mynd 3: 18 reitir

b

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

- c** 60

Bls. 104

- 32 a** 40 kr. **b** 60 kr. **c** 160 kr. **e** 2000 kr.
80 kr. 100 kr. 200 kr. 1000 kr.

- 33 a** 120 NOK **b** 320 NOK **c** 232 NOK **d** 256 NOK

- 34 a** 14 NOK **c** 21 NOK **e** 56 NOK **g** 700 NOK
b 28 NOK **d** 35 NOK **f** 70 NOK **h** 350 NOK

- 35 a** 3300 kr. **b** 2090 kr. **c** 2750 kr. **d** 6820 kr.

- 36** 3840 kr.

Bls. 105

- 37 a** 356 kr. **c** 534 kr. **e** 1424 kr. **g** 17800 kr.
b 712 kr. **d** 890 kr. **f** 1780 kr. **h** 8900 kr.

- 38 a** 2400 kr. **b** 1760 kr. **c** 6240 kr.

- 39 a** 9600 kr. **b** 10 240 kr. **c** 7840 kr.

Bls. 106

40 5

41 6

42 7

- 43 a** 6 kr. **b** 4 kr. **c** 4 kr.

Bls. 107

44

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	36	
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.

- 45 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. 108

- 46 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. 109

- 47 a 20 c 36 e 30 g 42
 b 14 d 72 f 24 h 56
- 48 a 27 c 15 e 24 g 48
 b 42 d 64 f 28 h 49
- 49 a 28 c 63 e 81 g 54
 b 48 d 35 f 36 h 90
- 50 a 5 c 9 e 8 g 6
 b 8 d 4 f 7 h 8
- 51 a 6 c 6 e 9 g 7
 b 6 d 7 f 5 h 8

Bls. 111

- 52 a 5 mín.
 b 8:45
 c 8:15
- 53 a 7 rósakálshöfuð
 b 60 g
- 54 a 18 bita
 b 90 bita

Bls. 112

Próf

- 1 a 386 b 434 c 5782 d 7728
 2 a 234 b 146 c 152 d 7275
 3 a $16 : 2 = 8$ c $30 : 3 = 10$
 b $21 : 3 = 7$ d $28 : 4 = 7$

- 4 a 25 d 40 g 4 j 6
 b 36 e 42 h 9 k 6
 c 21 f 63 i 8 l 7

5 56 kr.

6 32 stk.

Bls. 113

Æfingasíða 1

56 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

- 57 a 265 b 413 c 443 d 812
 58 a 3428 c 5325 e 4391 g 4801
 b 7569 d 7657 f 9385 h 5714
 59 a 320 c 305 e 441 g 207
 b 1381 d 1275 f 3082 h 2405

Bls. 114

Æfingasíða 2

60 215 ml

61 4732 stig

62 6772

63 179

64 Kári 1200 kr.
 Þuríður 800 kr.

- 65 a 24, 30, 36, 42, 48, 54, 60
 b 28, 35, 42, 49, 56, 63, 70
 c 32, 40, 48, 56, 64, 72, 80
 d 99, 88, 77, 66, 55, 44, 33
 e 335, 328, 321, 314, 307, 300, 293
 f 65, 69, 74, 80, 87, 95, 104

- 66 a 140 kr. b 280 kr. c 500 kr.
 $+ 550 \text{ kr.}$ $+ 1100 \text{ kr.}$ $+ 770 \text{ kr.}$
 690 kr. 1380 kr. 1270 kr.

Bls. 115

Við vinnum saman

- 67 Um það bil 20 klukkustundir
 68 Um það bil 24 sólarhringa
 69 275 km á dag
 70 a Um það bil 105 daga
 b Um það bil 436 km á dag

12 Tölfræði

Bls. 117

2 a Egilsstöðum

b júlí

c Egilsstaðir í október

d 8 °C

e 16 °C

f Egilsstöðum

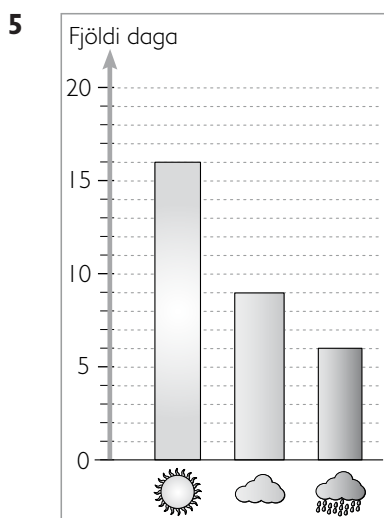
Bls. 118

3

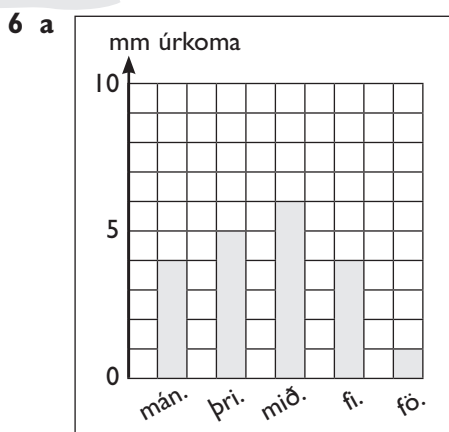
Veður	Fjöldi daga
	13
	6
	12

4

Veður	Fjöldi daga
	12
	7
	11



Bls. 119

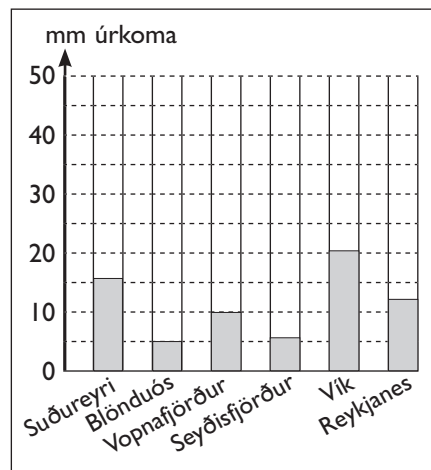


b Á miðvikudegi

c Á föstudegi

d 20 mm

7 a



b Í Vík í Mýrdal

c Á Blönduósi

c 15 mm

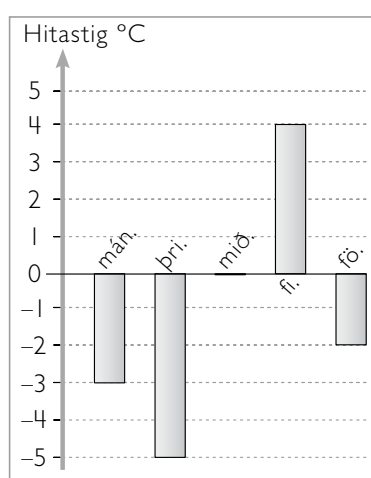
Bls. 120

8 a Á mánudegi

b Á miðvikudegi

c 8 °C

9 a



b 9 °C

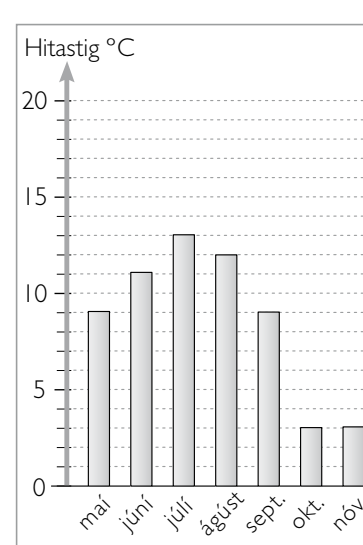
Bls. 121

10 a Nóvember

b Júlí

c 11 °C

11 a



b Ágúst

c Um 9 gráður °C

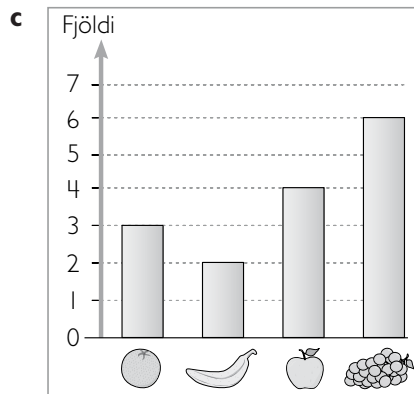
d Um 1 gráður °C

e Í Reykjavík í október og nóvember

Höfn í júlí og ágúst

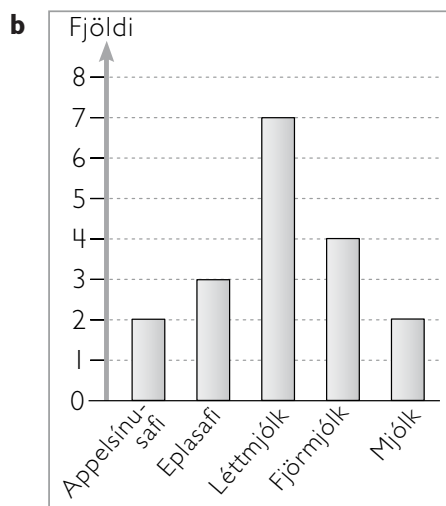
12a Vínber

b 15



13 a

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



15 a 11

b 3

c

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

16 a 5

b Brauðostur

c 27

17 a 9

b 4

c

Nafn									
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,
 - Kata, Benjamín og Stína, Atli

e Stína 57

Kata og Benjamín 55

Atli 44

18 a Eva 8, 22, 27, 36, 49

Friðrik 12, 20, 22, 37, 45

Gunnar 12, 26, 29, 33, 37

b Eva

c Eva

d Eva 142

Friðrik 136

Gunnar 137

19 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

686 í miðjunni

d 1034, 1043, 1114, 1140, 1304, 1341, 1403

1140 í miðjunni

e 6169, 6196, 6619, 6691, 6916, 6919, 6961

6691 í miðjunni

Próf

1 a 14

c Pítsa

e 54

b 5

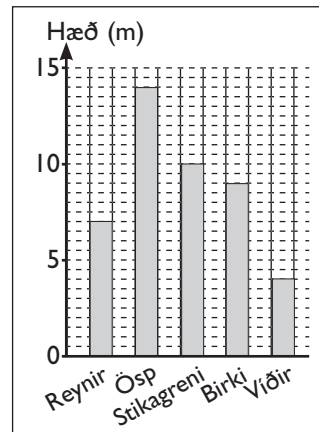
d 6

2 a Ösp

b Víðir

c 10 cm

d



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

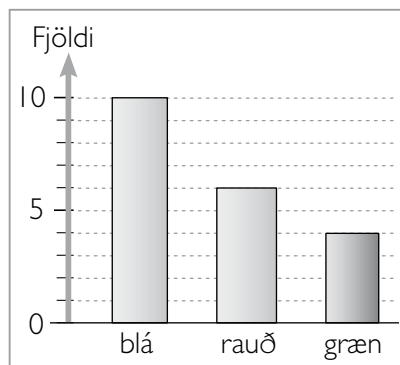
Bls. 127

Æfingasíða I

20 a

Litur	Fjöldi
Blá	10
Rauð	6
Græn	4

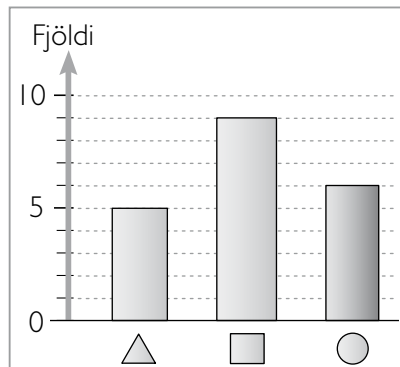
b



c

Mynd	Fjöldi
Þríhyrningar	5
Ferhyrningar	9
Hringir	6

d



- 21 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

Við vinnum saman

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