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nye MEGA 8B

Matematikk for ungdomstrinnet

Fasit

Engangsbok 8B

NYE MEGA 8B ENGANGSBOK

KAPITTEL D REGNEARK

D 1

b) $177,90 \text{ kr} + \text{porto} = 216,90$

D 2

b) $478,80 \text{ kr} + \text{porto} = 517,80$

D 3

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D 4

Sykkelen er billigst hos T-sport (2940 kr)

D 5

a) 4500 kr b) 275,50 kr c) 585 kr d) 1620 kr

D 6

Alpinpakka er billigst hos Sportspecialisten (2205 kr)

PRØV DEG SELV

PD 1

Eli må betale 140,70 kr

FASIT TIL KAPITTEL E ALGEBRA

E 1

a) 13 b) 15 c) 13 d) 10

E 2

a) $3 \cdot 4 + 5 = 17$ b) $2 \cdot 6 + 3 = 15$ c) $3 \cdot 2 + 6 = 12$
d) $4 \cdot 5 + 1 = 21$ e) $4 \cdot 4 = 16$ f) $3 \cdot 2 + 4 + 1 = 11$

E 3

a) $6 \text{ kr} + 8 \text{ kr} + 8 \text{ kr} = 22 \text{ kr}$ b) $6 \text{ kr} + 8 \text{ kr} \cdot 3 = 30 \text{ kr}$

E 4

a) $3 \cdot 7 \text{ kr} + 10 \text{ kr} = 31 \text{ kr}$ b) $10 \text{ kr} + 7 \text{ kr} \cdot 4 = 38 \text{ kr}$

E 5

a) 4 kr b) 0 kr c) 14 kr d) 10 kr

E 6

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E 7

a) 1 b) 2 c) 3 d) 5 e) 10

E 8

a) 60 kr b) 90 kr

E 9

a) $12 + 3b$ b) 21 kr c) 27 kr

E 10

a) 20 b) 16 c) 30 d) 14

E 11

65 kr

E 12

a) 22 b) 60 c) 20 d) 4 e) 27

E 13

a) 13 b) 19

E 14

a) $5 + 3 \cdot 2 = 11$ b) $1 + 2 \cdot 6 = 13$
c) $4 \cdot 2 + 3 = 11$ d) $6 + 3 \cdot 2 = 12$

E 15

- a) 30 kr b) 39 kr
-

E 16

- a) 4 kr b) 14 kr
-

E 17

- a) 31 kr b) 49 kr
-

E 18

- a) 12 b) 30 c) 21 d) 90
-

E 19

- a) 18 b) 50 c) 18 d) 10
-

PRØV DEG SELV

PE 1

- a) 13 b) 14
-

PE 2

- a) $1 + 3 \cdot 5 = 16$ b) $4 \cdot 2 + 6 = 14$
c) $20 \text{ kr} - 3 \cdot 5 \text{ kr} = 5 \text{ kr}$ d) $50 \text{ kr} - 3 \cdot 16 \text{ kr} = 2 \text{ kr}$
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PE 3

- a) $40 + 10a$ b) 90 kr c) 110 kr d) $100 \text{ kr} - 9 \cdot 10 \text{ kr} = 10 \text{ kr}$
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PE 4

- a) 12 b) 21 c) 30 d) 90
-

PE 5

- a) 26 b) 24 c) 12 d) 21
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KAPITTEL F LIGNINGER

F 1	$6 + 3 = 9$		$7 + 21 = 28$		$16 + 8 = 24$
	$15 - 5 = 10$		$2 \cdot 9 = 18$		$15 : 3 = 5$
F 2	a) 3	b) 4	c) 7	d) 8	e) 1
	f) 6	g) 2	h) 5	i) 9	j) 0
F 3	a) 2	b) 8	c) 9	d) 2	
	e) 6	f) 1	g) 3	h) 4	
F 4	a) 8	b) 21	c) 18	d) 26	e) 12
F 5	a) 10	b) 4	c) 10	d) 12	e) 16
F 6	a) 8 $vs = x + 4 = 8 + 4 = 12$ $vs = hs$			$hs = 12$	
	b) 15 $vs = x + 10 = 15 + 10 = 25$ $vs = hs$			$hs = 25$	
F 7	a) 10 $vs = x - 4 = 10 - 4 = 6$ $vs = hs$			$hs = 6$	
	b) 12 $vs = x - 2 = 12 - 2 = 10$ $vs = hs$			$hs = 10$	
F 8	a) 6	b) 17	c) 19	d) 25	
F 9	a) 34	b) 32	c) 38	d) 345	
F 10	250 kr				

F 11	13 år	F 12	500 kr	F 13	100 lodd
F 14	36 biter	F 15	13 flasker	F 16	119 hårstrikker

FARGEDELEN

F 17	a) 6	b) 4	c) 5	d) 2	e) 5
	f) 4	g) 4	h) 4	i) 3	j) 5

F 18	<table border="1"> <tr> <td>4</td> <td>1</td> <td>4</td> </tr> <tr> <td>2</td> <td>5</td> <td>2</td> </tr> <tr> <td>3</td> <td>3</td> <td>3</td> </tr> </table>	4	1	4	2	5	2	3	3	3	F 19	a) 9	b) 17	c) 15
4	1	4												
2	5	2												
3	3	3												
			d) 59	e) 99										

F 20	a) 5	b) 10	c) 8	d) 44	e) 56
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F 21	a) 14	b) 44	c) 17	d) 350
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F 22	4 dataspill	F 23	9 sommerfugler
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F 24	32 boller
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PRØV DEG SELV

PF 1	$10 + 4 = 14$	$12 + 21 = 33$	$16 + 6 = 22$
	$8 - 3 = 5$	$2 \cdot 4 = 8$	$16 : 2 = 8$

PF 2	a) 16	b) 20	PF 3	a) 15	b) 38
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PF 4	24 sandkaker	PF 5	8 år
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KAPITTEL G FUNKSJONER OG GRAFER

G 1

- a) mandag og fredag b) søndag c) 15 °C d) varmere
e) 7 °C f) kaldere g) 11 °C

G 2

Antall solgte jordbærkurver	Fortjeneste i kroner
1	3
2	6
3	9
4	12
5	15
6	18
7	21
8	24

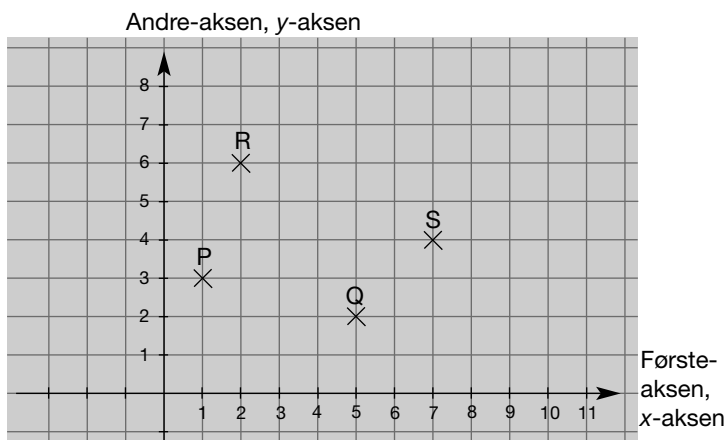
G 3

Antall solgte aviser	Fortjeneste i kroner
1	4
2	8
3	12
4	16
5	20
6	24
7	28
8	32

G 4

- P (2, 3) Q (3, 7) R (5, 5) S (9, 2)
T (8, 8) U (11, 4)

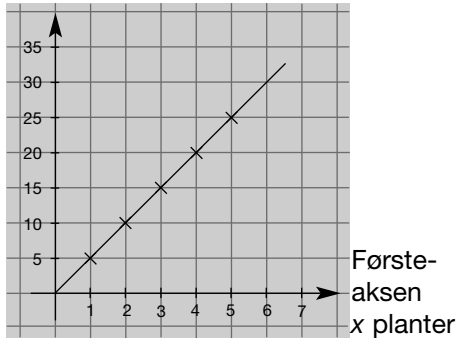
G 5



G 6

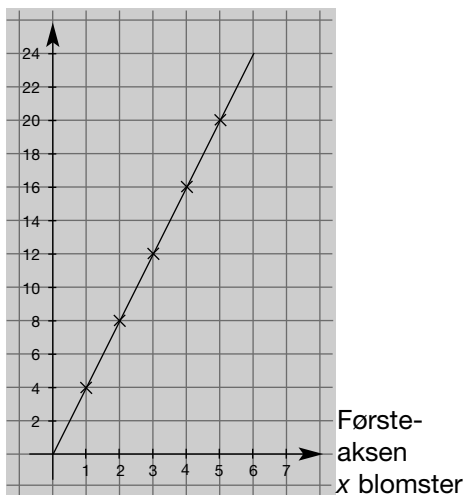
a)

x planter	y kroner	Koordinater
1	5	(1,5)
2	10	(2,10)
3	15	(3,15)
4	20	(4,20)
5	25	(5,25)

b) Andre-aksen
y kroner**G 7**

a)

x blomster	y kroner	Koordinater
1	4	(1,4)
2	8	(2,8)
3	12	(3,12)
4	16	(4,16)
5	20	(5,20)

b) Andre-aksen
y kroner

FARGEDELEN

G 8

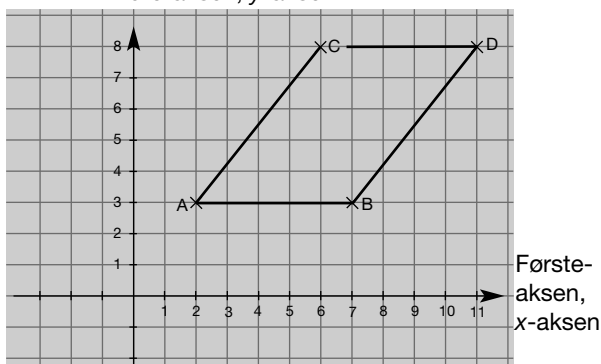
- a) kl. 13 b) kl. 7 c) 13 °C
 d) kl. 19 e) 4 °C f) kl. 11 og kl. 17

G 9

- P (1, 2) Q (3, 4) R (6, 3)
 S (2, 5) T (7, 7) U (10, 6)

G 10

a) Andre-aksen, y-aksen



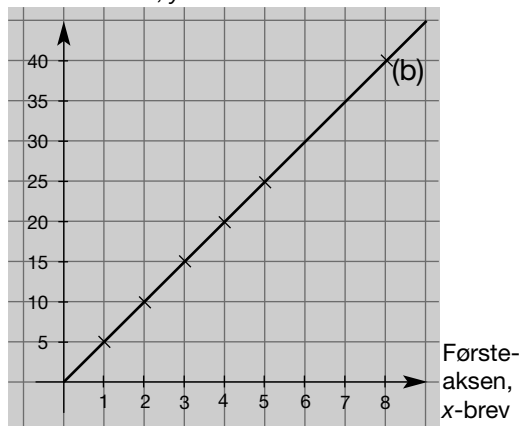
c) Et parallelogram

G 11

a)

x brev	y kroner	Koordinater
1	5	(1,5)
2	10	(2,10)
3	15	(3,15)
4	20	(4,20)
5	25	(5,25)

Andre-aksen, y-aksen



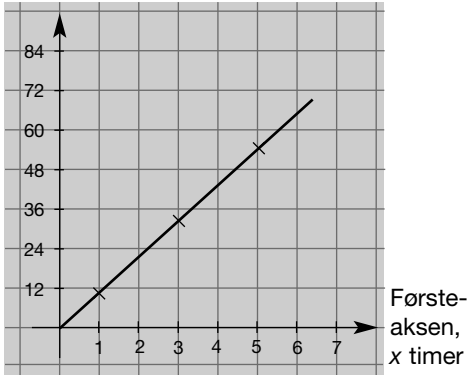
G 12

a)

x timer	y kroner	Koordinater
1	10	(1,10)
3	30	(3,30)
5	50	(5,50)

b) Andre-aksen, y-aksen

c) 20 kr og 40 kr

**PRØV DEG SELV****PG 1**

- a) 39 °C b) 38,2 °C c) Tirsdag d) 39,5 °C
 e) søndag f) 36,8 °C

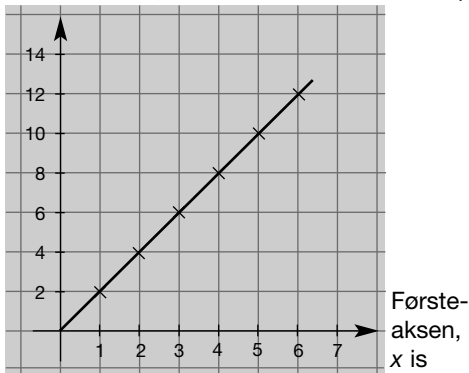
PG 2

a)

x is	y kroner	Koordinater
1	2	(1,2)
2	4	(2,4)
3	6	(3,6)
4	8	(4,8)
5	10	(5,10)





































b) Andre-aksen, y-aksen

c) 12 kr



KAPITTEL H SANNSYNLIGHET

- H 1 –
- H 2 –
- H 3 a) 6 deler b) $1/6$ c) $1/6$ d) $1/6$
- H 4 –
- H 5 a)

	2		6		5		9
	3		7		6		10
	4		8		7		11
	5		4		8		7
	6		5		9		8
	7		6		10		9
	3		7		6		10
	4		8		7		11
	5		9		8		12

b) 7

c) $\frac{6}{36} = \frac{1}{6}$

H 6

a) 6 deler

b) $1/6$ c) $1/2$ d) $2/6$ e) $1/6$ **H 7**

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PRØV DEG SELV**PH 1**

	Tellestreker	Antall	Hvor stor brøkdel av treffene?
Rød		9	$\frac{9}{40}$
Gul		6	$\frac{6}{40}$
Blå		7	$\frac{7}{40}$
Grønn		4	$\frac{4}{40}$
Lilla		10	$\frac{10}{40}$
		4	$\frac{4}{40}$

PH 2