

Math 3, p. 354 - 55.

3. a) $3:4 = 6:8$

b) $3:8 = 6:16$

c) $5:9 = 15:27$

d) $2/3 = 4/6$

e) $2:3:4 = 8:12:16$

f) $1:2:1 = 2:4:2$

g) $4:7 = 8:14$

h) $5/3 = 10/6$

i) $1:3:6 = 2:6:12$

4. a) $0,61 \text{ \$/L}$ b) $9,33 \text{ \$/m}$ c) $0,20 \text{ \$/sac}$ d) $0,18 \text{ \$/mL}$
or $0,18 \text{ \$/100mL}$

5. a) $0,4 \text{ butts/tin}$

b) $1,4 \text{ \$/g}$

c) $0,27 \text{ p/min}$

d) $3,95 \text{ \$/h}$

e) $0,45 \text{ \$/cannette}$

f) $0,15 \text{ kg/sem}$

6. a) 5 m/s b) 22 km/h c) 15100 km/h d) 8 m/min

7. a) $2:3, 2:4, 3:4$

b) $4:8, 4:6, 8:6$

c) $1:5, 1:1, 5:1$

d) $3:8, 8:5, 3:5$

e) $4:10, 10:6, 4:6$

f) $3:3, 3:9, 3:9$

8. Edm: $33:18$, Cal $6:7$, Win. $4:5$

LA: $2:3$, Van. $19:29$

9. a) $3:2 = 9:6$ b) $15:10 = 3:2$ c) $3:13 = 6:26$

d) $10:3 = 50:15$

e) $12:15 = 4:5$

f) $25:15 = 5:3$

g) $4:10 = 2:5$

h) $2:3 = 30:45$

10. a) $20/8 = 15/6$

b) $5:15 = 2:6$

c) $9/27 = 7/21$

d) $14/7 = 9/4,5$

e) $13,5:18 = 18:24$

f) $10/15 = 8/12$

g) $12:9 = 16:12$

h) $4:8 = 5:10$

i) $25/15 = 30/18$

11. a) $5:3 = 30:18$

b) $7:5 = 2,8:2$

c) $3,75:18 = 5:24$

d) $12/11,25 = 16/15$

e) $18,75/15 = 30/24$

f) $8:5 = 3:1,875$

g) $25:8 = 9,375:3$

h) $9/7,2 = 5/4$

12. a) $4/2 = 8/4$
 $k=2$

b) $4:2:3 = 8:4:5$
 $2/3 = 4/6, s=6$

13. a) $1:2:3 = 2:4:6$

b) $12:8:20 = 3:2:5$ c) $20:4:20 = 5:1:5$

d) $2:1:5 = 4:2:10$

e) $3:9:6 = 1:3:2$ f) $12:18:9 = 4:6:3$

g) $6:9:15 = 2:3:5$

h) $10:2:10 = 5:1:5$

14. a) $5:4 = 720:576$

le vainqueur a eu 720 votes

b) $720 + 576 = 1296$ votes

15. a) $12:8:3 = 432:288:108 \rightarrow 288$ billets d'étudiants

b) Total = $432(1,75) + 288(1,25) + 108(0,5) = 1170$ \$

16. $11:6:2 = 550g:300g:100g \rightarrow 550g$ de farine

17. a) $1,83m$ en 24h = $7 \times 1,83 = 12,81m$ en 1 semaine

b) On suppose que le taux est constant pour les 7 jours.

18. $2,6:4 = 9,75:15 \rightarrow$ Albert perd 9,75 kg en 15 sem.

19. Johnson = $170/544 = 0.3125$ corps / présence

Smithy = $166/496 = 0.3347$ corps / présence

20. a) lime:orange = $3:8 = 21:56 \rightarrow 56L$ d'orange

b) $3:8 = 12:32 \rightarrow 12L$ de lime

c) $3:11 = 6:22 \rightarrow 6L$ de lime

d) $8:11 = 40:55 \rightarrow 40L$ d'orange

21. a) $366:488 = 516:688 \rightarrow 516$ en faveur,

b) On suppose que le taux oui:total 150 de plus
no. ch. ... no.