Facit til Kernestof Mat 1 HF – Træningssider 8

1
  a) x= 1,5
  b) x=1
  c) x=1

2
  a) x=3
  b) x=8
  c) x=4

3
  a) x =3
  b) x=20
  c) x=3

4
  a) x= 0
  b) x=-4
  c) x=30

5
  a) x=4
  b) x=3
  c) x=-2
  d) x= $\frac{-1}{5}$

6
  a) 0,2x+2 =4

  0,2x+2-2= 4-2

  0,2x =2

  $\frac{0.2x}{0.2} = \frac{2}{0.2}$

  x = 10

7
  a) 1 +3x = x

  1+3x-3x = x-3x

  1 = -2x

  $\frac{1}{-2} = \frac{-2x}{-2}$

  x = $\frac{-1}{2}$

8

   a)   4 −x = 1-2x

      4 −x+2x = 1-2x+2x

      4+x = 1

      4+x-4 = 1-4

      x = -3

9

   a)   0,02 = 2%
   b)   0,38 = 38 %
   c)   0,50 = 50%
   d)   0,685 = 68,5%

10

   a)   0,06 = 6%
   b)   -0,09 = -9%
   c)   0,21= 21%
   d)   0,25 = 25%

11

   a)   -4%
   b)   118%
   c)   -99%
   d)   25,9%

12

   a)   1,17
   b)   0,95
   c)   1,43
   d)   0,90

13

   a)   1,94
   b)   1,034
   c)   0,96
   d)   0,73

14

   a)   1,175
   b)   0,68
   c)   0,905
   d)   0,02

15
  a) 0,5
  b) 1,0005
  c) 1,00096
  d) 2,45

16
  a) $\frac{10}{10} = 1$

  b) $\frac{12}{7} = 1,71$

  c) $\frac{32}{100} = 0,32$

17
  a) $\frac{8}{20} = \frac{2}{5} = 0,4$

  b) $\frac{12}{16} = \frac{3}{4} = 0,75$

  c) $\frac{8}{12} = \frac{2}{3} = 0,667$

18
  a) $\frac{18}{7}$

  b) $\frac{23}{15}$

  c) $\frac{165}{10}$

19
  a) $\frac{24}{20} = \frac{6}{5} = 1,2$

  b) $\frac{20}{15} = \frac{4}{3} = 1,33$

  c) $\frac{36}{12} = 3$

20
  a) $\frac{20}{40} = \frac{1}{2}$

  b) $\frac{10}{30} = \frac{1}{3}$

  c) $\frac{60}{120} = \frac{1}{2}$

21

a) $\dfrac{6}{16} = \dfrac{3}{8}$

b) $\dfrac{40}{40} = 1$

c) $\dfrac{10}{8} = \dfrac{5}{4} = 1,25$

22

a) $\dfrac{8}{6} = \dfrac{4}{3} = 1,333$

b) $\dfrac{28}{42} = \dfrac{14}{21} = \dfrac{2}{3} = 0,667$

c) $\dfrac{12}{16} = \dfrac{3}{4} = 0,75$

23

a) $\dfrac{2}{18} = \dfrac{1}{9}$

b) $\dfrac{20}{20} = 1$

c) $\dfrac{5}{125} = \dfrac{1}{25}$

24

a) $\dfrac{16}{50}$

b) $\dfrac{40}{40} = 1$

c) $\dfrac{2}{4} = \dfrac{1}{2}$

25

a) $\dfrac{12}{8} = \dfrac{3}{2} = 1,5$

b) $\dfrac{14}{56} = \dfrac{1}{4}$

c) $\dfrac{12}{10} = \dfrac{6}{5} = 1,2$

26

a) $\frac{30}{10} = 3$

b) $\frac{16}{12} = \frac{4}{3} = 1{,}3333$

c) $\frac{3}{10} = 0{,}3$

27

a) $\frac{36}{20} = \frac{18}{10} = \frac{9}{5} = 1{,}8$

b) $\frac{20}{10} = 2$

c) $\frac{10}{2} = 5$