

Facit til Kerne stof Mat 1 STX – Trænings sider 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) $\frac{6}{16} = \frac{3}{8}$

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

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

22

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

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

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

23

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

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

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

24

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

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

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

25

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

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

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

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