Practice Numeracy Test

for the selection procedure of Hotel Management School Maastricht

To give you an idea of the topics covered and the level of the actual numeracy test, we have created this practice sample. The actual numeracy test will consist of **35 multiple-choice and open questions and will last 45 minutes.** You may use pen and paper. For some questions, a calculator will appear within the digital test environment that you may use. In this practice sample, that would only apply to question 5.

Questions

1. Calculate: (2400 + 1600) ÷ 20 = ?

2. Which of the two numbers is larger?

-27.318 or -27.302

3. Write 62% as a decimal number.

62% = …

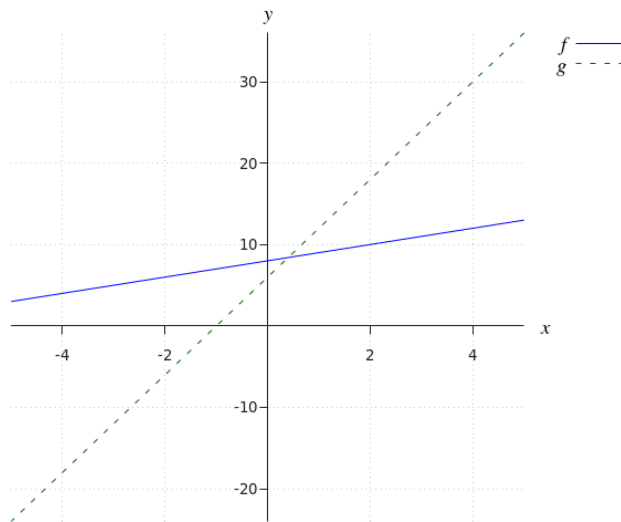**4.** Which number should be in the blank space? $\quad \dfrac{33}{39} = \dfrac{\boxed{}}{13}$

5. In a store, the prices of all items are increased by 2%. A certain item used to cost €62.70. How much extra do you now have to pay? Give your answer in euros, rounded to whole cents.

6. Write as a percentage: 9/20 = …%

7. Fill in and calculate: If y = 7x - 4, calculate y when x = -3.

y = …

8. Two linear graphs f and g are drawn. How do they relate to each other?

Choose the correct answer.

a) They intersect.

b) They are parallel.

9. Calculate $(x - 4)^2$ for x = 6.

$(x - 4)^2 = \ldots$

10. Solve the equation: 5x - 3 = 22

Give your answer in the form: x = …

Answers Practice Numeracy Test

1. (2400 + 1600) ÷ 20 = 4000 ÷ 20 = 200

2. -27.302 is larger (because it is closer to zero)

3. 62% = 0.62

4. 11 (33 : 3)

5. €62,70 : 100 = €0,627 (=1%), €0,627 x 2 = €1,25 (=2%)

6. 9/20 = 0.45 = 45%

7. y = 7(-3) - 4 = -21 - 4 = -25

8. a) They intersect.

9. $(6 - 4)^2 = 2^2 = 4$

10. 5x - 3 = 22 → 5x = 25 → x = 5