Worksheet

08/07/2020

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Problem quickname: 8002

1)

What scale factor was used for the image?

a) In the image: 1.2 cm. In reality: 3 dm. Answer: Scale 1:25.
b) In the image: 5.2 cm. In reality: 1.3 m. Answer: Scale 1:25.
c) In the image: 1.04 dm. In reality: 1.04 m. Answer: Scale 1:10.
d) In the image: 1.33 dm. In reality: 13.3 m. Answer: Scale 1:100.
e) In the image: 3.3 cm. In reality: 8.25 dm. Answer: Scale 1:25.
f) In the image: 9 cm. In reality: 1.8 m. Answer: Scale 1:20.
g) In the image: 1.5 cm. In reality: 3.75 dm. Answer: Scale 1:25.
h) In the image: 9.4 cm. In reality: 9.4 dm. Answer: Scale 1:10.
i) In the image: 1.19 dm. In reality: 8.925 m. Answer: Scale 1:75.
j) In the image: 1.4 dm. In reality: 2.8 m. Answer: Scale 1:20.

2)

What scale factor was used for the image?

a) In the image: 4 mm. In reality: 1 dm. Answer: Scale 1:25.
b) In the image: 8 cm 4 mm. In reality: 1 m 6 dm 8 cm. Answer: Scale 1:20.
c) In the image: 1 dm 2 cm. In reality: 9 m. Answer: Scale 1:75.
d) In the image: 8 cm 2 mm. In reality: 8 m 2 dm. Answer: Scale 1:100.
e) In the image: 6 cm 6 mm. In reality: 1 m 3 dm 2 cm. Answer: Scale 1:20.
f) In the image: 5 cm 6 mm. In reality: 2 m 8 dm. Answer: Scale 1:50.
g) In the image: 3 cm 7 mm. In reality: 7 dm 4 cm. Answer: Scale 1:20.
h) In the image: 1 dm 1 cm 4 mm. In reality: 5 m 7 dm. Answer: Scale 1:50.
i) In the image: 1 dm 4 cm 6 mm. In reality: 10 m 9 dm 5 cm. Answer: Scale 1:75.
 j) In the image: 1 cm 8 mm. In reality: 1 dm 8 cm. Answer: Scale 1:10.

3)

What scale factor was used for the image?

a) In the image: 9 dm. In reality: 225 dm. Answer: Scale 1:25.
b) In the image: 105 m. In reality: 1050 cm. Answer: Scale 1:10.
c) In the image: 47 m. In reality: 470 cm. Answer: Scale 1:10.
d) In the image: 61 cm. In reality: 1525 m. Answer: Scale 1:25.
e) In the image: 18 mm. In reality: 90 km. Answer: Scale 1:5.
f) In the image: 101 m. In reality: 5050 m. Answer: Scale 1:50.
g) In the image: 90 cm. In reality: 9000 dm. Answer: Scale 1:100.
h) In the image: 73 m. In reality: 1460 m. Answer: Scale 1:20.

i) In the image: 126 cm. In reality: 3150 dm. Answer: Scale 1:25.
j) In the image: 44 mm. In reality: 1100 dm. Answer: Scale 1:25.

<u>4)</u>

What scale factor was used for the image?

a) In the image: 1.21 dm. In reality: 9.075 m. Answer: Scale 1:75.
b) In the image: 7.2 cm. In reality: 3.6 m. Answer: Scale 1:50.
c) In the image: 8.8 cm. In reality: 8.8 dm. Answer: Scale 1:10.
d) In the image: 7.6 cm. In reality: 3.8 dm. Answer: Scale 1:5.
e) In the image: 7.8 cm. In reality: 1.56 m. Answer: Scale 1:20.
f) In the image: 1 dm. In reality: 2.5 m. Answer: Scale 1:25.
g) In the image: 8.1 cm. In reality: 2.025 m. Answer: Scale 1:25.
h) In the image: 9.6 cm. In reality: 4.8 dm. Answer: Scale 1:5.
i) In the image: 4 mm. In reality: 4 cm. Answer: Scale 1:10.
j) In the image: 2.8 cm. In reality: 2.8 dm. Answer: Scale 1:10.

Good Luck!