Worksheet

08/07/2020

Free on dw-math.com

Problem quickname: 8002

1)

What scale factor was used for the image?

a) In the image: 115 km. In reality: 2875 cm. Answer: Scale 1:25.
b) In the image: 28 m. In reality: 280 dm. Answer: Scale 1:10.
c) In the image: 104 dm. In reality: 2600 m. Answer: Scale 1:25.
d) In the image: 122 m. In reality: 12200 cm. Answer: Scale 1:100.
e) In the image: 21 km. In reality: 1575 m. Answer: Scale 1:75.
f) In the image: 81 cm. In reality: 6075 cm. Answer: Scale 1:75.
g) In the image: 59 m. In reality: 295 km. Answer: Scale 1:5.
h) In the image: 59 cm. In reality: 1180 dm. Answer: Scale 1:20.
i) In the image: 33 dm. In reality: 165 m. Answer: Scale 1:5.
j) In the image: 118 dm. In reality: 2360 m. Answer: Scale 1:20.

2)

What scale factor was used for the image?

a) In the image: 5.1 cm. In reality: 2.55 dm. Answer: Scale 1:5.
b) In the image: 6.3 cm. In reality: 3.15 dm. Answer: Scale 1:5.
c) In the image: 1.02 dm. In reality: 2.04 m. Answer: Scale 1:20.
d) In the image: 4.4 cm. In reality: 3.3 m. Answer: Scale 1:75.
e) In the image: 1.17 dm. In reality: 5.85 m. Answer: Scale 1:50.
f) In the image: 1.35 dm. In reality: 2.7 m. Answer: Scale 1:20.
g) In the image: 1.12 dm. In reality: 5.6 dm. Answer: Scale 1:5.
h) In the image: 1.32 dm. In reality: 2.64 m. Answer: Scale 1:20.
i) In the image: 8.2 cm. In reality: 1.64 m. Answer: Scale 1:20.
j) In the image: 1.6 cm. In reality: 1.6 m. Answer: Scale 1:100.

3)

What scale factor was used for the image?

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

i) In the image: 8 mm. In reality: 6 dm. Answer: Scale 1:75.
j) In the image: 1 dm 2 cm 5 mm. In reality: 1 m 2 dm 5 cm. Answer: Scale 1:10.

<u>4)</u>

What scale factor was used for the image?

a) In the image: 85 dm. In reality: 850 dm. Answer: Scale 1:10.
b) In the image: 37 mm. In reality: 2775 m. Answer: Scale 1:75.
c) In the image: 16 km. In reality: 160 cm. Answer: Scale 1:10.
d) In the image: 26 cm. In reality: 520 m. Answer: Scale 1:20.
e) In the image: 44 km. In reality: 880 cm. Answer: Scale 1:20.
f) In the image: 6 dm. In reality: 150 m. Answer: Scale 1:25.
g) In the image: 124 dm. In reality: 9300 dm. Answer: Scale 1:75.
h) In the image: 24 dm. In reality: 1200 cm. Answer: Scale 1:50.
i) In the image: 17 dm. In reality: 1275 cm. Answer: Scale 1:75.
j) In the image: 122 km. In reality: 9150 cm. Answer: Scale 1:75.

Good Luck!