Desert Mountains Drawing: Layered Ridges and Cacti

Topic reference / ordinary illustration



Ordinary topic reference. Hypothetical dimensions in the four tasks are supplied in their own text; this illustration is not their measured answer.

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Worked example / complete source key

On a hypothetical 16 cm wide panel, place three foreground cacti with equal gaps and 2 cm margins on each side. Find the gap width.

Answer: The usable width is 16 minus 2 minus 2 equals 12 cm. Three cacti create two gaps between them, so each gap is 12 divided by 2 equals 6 cm. Check: 2 plus 6 plus 6 plus 2 equals 16 cm.

Reason: Subtract the margins first, then divide the remaining width by the number of gaps, not the number of cacti.

Check: Add the margins and gaps back together and confirm the total equals the panel width.