

Crossnumber: Surface Area

ANSWERS

Work in pairs. Every answer is a whole number, one digit per square. Where an across answer crosses a down answer the digit has to agree. Use that to check your work as you go.

Across

- | | | |
|----|---|-----|
| 1 | A box with no lid is 19 cm long, 13 cm wide and 3 cm high. Find the area of card needed to make it, in cm^2 . | 439 |
| 3 | Find the surface area, in cm^2 , of a cuboid measuring 5 cm by 12 cm by 13 cm. | 562 |
| 5 | A cuboid has a square base of side 12 cm and a height of 7 cm. Find its surface area in cm^2 . | 624 |
| 7 | A box with no lid is 18 cm long, 16 cm wide and 6 cm high. Find the area of card needed to make it, in cm^2 . | 696 |
| 9 | A cuboid has a square base of side 3 cm and a height of 9 cm. Find its surface area in cm^2 . | 126 |
| 11 | Find the surface area, in cm^2 , of a cuboid measuring 3 cm by 4 cm by 10 cm. | 164 |
| 13 | Find the surface area, in cm^2 , of a cuboid measuring 8 cm by 11 cm by 12 cm. | 632 |
| 14 | A box with no lid is 15 cm long, 13 cm wide and 10 cm high. Find the area of card needed to make it, in cm^2 . | 755 |

Down

- | | | |
|----|---|-----|
| 1 | Find the surface area, in cm^2 , of a cube with side 9 cm. | 486 |
| 2 | A box with no lid is 20 cm long, 12 cm wide and 11 cm high. Find the area of card needed to make it, in cm^2 . | 944 |
| 3 | Find the surface area, in cm^2 , of a cuboid measuring 8 cm by 9 cm by 13 cm. | 586 |
| 4 | A cuboid has a square base of side 7 cm and a height of 6 cm. Find its surface area in cm^2 . | 266 |
| 6 | A cuboid has a square base of side 4 cm and a height of 15 cm. Find its surface area in cm^2 . | 272 |
| 8 | A box with no lid is 20 cm long, 13 cm wide and 11 cm high. Find the area of card needed to make it, in cm^2 . | 986 |
| 9 | Find the surface area, in cm^2 , of a cuboid measuring 3 cm by 4 cm by 8 cm. | 136 |
| 10 | A cuboid has a square base of side 11 cm and a height of 10 cm. Find its surface area in cm^2 . | 682 |
| 11 | A box with no lid is 9 cm long, 5 cm wide and 4 cm high. Find the area of card needed to make it, in cm^2 . | 157 |
| 12 | A box with no lid is 17 cm long, 9 cm wide and 6 cm high. Find the area of card needed to make it, in cm^2 . | 465 |

1 4	3	2 9		3 5	6	4 2
8		4		8		6
5 6	6 2	4		7 6	8 9	6
	7				8	
9 1	2	10 6		11 1	6	12 4
3		8		5		6
13 6	3	2		14 7	5	5