

Multiplying decimals

Multiplication

N15

Check the grid to see if it shows the correct answer for 25.7×7.3 .

Use the grid method to find these products. Estimate first.

1 4.32×5.7 2 36.4×4.8

4 26.5×1.9 5 58.7×9.3

19.7×3.6

61.2×4.3

	20	5	0.7	
7	140	35	4.9	179.9
0.3	6	1.5	0.21	7.71
	146	36.5	5.11	187.61

The caretaker is going to paint the school's ceilings. He wants to know the area of each ceiling to work out how much paint he needs.

Use long multiplication to find the area of each ceiling. Estimate first.

7 Y1/Y2 corridor
 $35.6 \text{ m} \times 4.3 \text{ m}$

8 Y3/Y4 corridor
 $28.7 \text{ m} \times 3.9 \text{ m}$

9 Y5/Y6 corridor
 $23.6 \text{ m} \times 4.6 \text{ m}$

10 staffroom corridor
 $13.4 \text{ m} \times 2.9 \text{ m}$

11 school entrance
 $15.6 \text{ m} \times 7.3 \text{ m}$

12 library
 $12.8 \text{ m} \times 6.4 \text{ m}$

Each tin of paint covers 15 m^2 . How many tins does the caretaker need in total?

The children are making banners for the school fête. Each child cuts a strip of paper. Predict which piece in each pair has the greater area. Calculate the area of each strip of paper and the difference in area between them.

13 John 25.7 cm by 4.6 cm

Karen 31.2 cm by 3.4 cm

Lois 43.8 cm by 2.7 cm

15 Dharmendra 31.7 cm by 3.5 cm

Tim 31.6 cm by 3.9 cm

14 Sumoyee 42.7 cm by 2.8 cm

Sara 28.6 cm by 4.9 cm

16 Tiffany 26.7 cm by 5.3 cm

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