

Multiplication, with partitioning

Solve these word problems. The first one is done for you.

Answer sheet

1. Jade bought 22 packs of stickers and each pack had 6 stickers inside. How many stickers did she buy? $22 \times 6 = (20 \times 6) + (2 \times 6)$ $= 120 + 12 = 132$	132
2. Each carriage of the train has 84 seats. If the train has 5 carriages, how many seats are there altogether? $84 \times 5 = 80 \times 5 + 4 \times 5$ $= 400 + 20 = 420$	420
3. The teacher has 16 new boxes of pencils for the class. Each box has 8 pencils. How many pencils are there in total? $16 \times 8 = 10 \times 8 + 6 \times 8$ $= 80 + 48 = 128$	128
4. James is buying cakes for all the family. Each cake costs 95p. If he buys 4 cakes, how much does he spend? $95 \times 4 = 90 \times 4 + 5 \times 4$ $= 360 + 20 = 380$	£3.80 (380p)
5. The school hall has 64 rows of chairs. If each row has 9 chairs, how many chairs are there altogether? $64 \times 9 = 60 \times 9 + 4 \times 9$ $= 540 + 36 = 576$	576
6. I drive 53 miles each day to work and back. I do this for 5 days in every week. How far do I drive on these journeys each week? $53 \times 5 = 50 \times 5 + 3 \times 5$ $= 250 + 15 = 265$	265