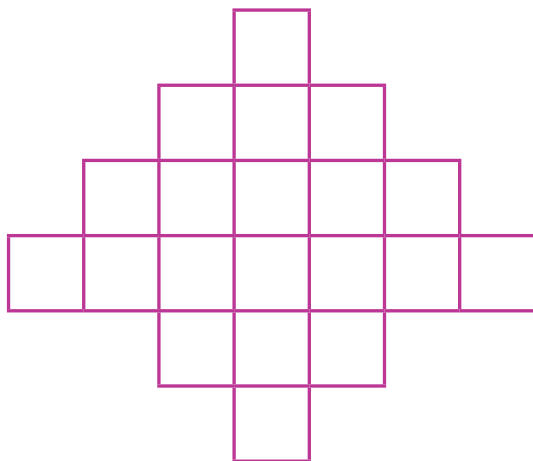


24 EXTRA PRACTICE - PERCENTAGE OF

Find the answers to these using mental strategies.

- 1 a 10% of 80 kg b 5% of 80 kg
c 20% of 150 m d 65% of 150 m
- 2 Denise earns 15% on each book she sells.
What does she earn on a \$40 book?
- 3 a Shade 20% of the pink squares.
b Put a cross in 45% of the squares.
c Put a tick in 30% of the squares.
How many squares are empty?



- 4 Whatu was entered for the inter-school triathlon.
His fastest time to date was 85 minutes.
In the event he took 2% off this.
What time did he do?
Give your answer in minutes and seconds.

- 5 Benson's class of 28 pupils got an average of 75% in a test.
Chloe's class of 25 pupils got an average of 65% in the same test.
What was the average of all the pupils?
- 6 Brass made by Brasswares is 68% copper and 32% zinc.
How much of each is needed to make these amounts of brass.
a 3 kg b 4.2 kg c 386 kg d 14.5 kg
- 7 Solomon the dog had a mass of 15.6 kg when the SPCA found him.
Over the next three months his mass increased by 28%.
By how much did his mass increase?
- 8 In an experiment 67% of a 350 g solid dissolved.
How many grams dissolved?
- 9 Find 63% of 84% of 25% of 1800.
- 10 Round the answers to these sensibly.
a 19.6% of \$836 b 24.8% of 572 cars
c 1.9% of 1246 people d 6.8% of 586 kg
e 39.7% of 450 members



11 Challenge

Fill in the number of people who are predicted to live in each of the four places on this table.

Projected population 2030		
	% of total	Millions
New Zealand	3.4%	
Australia	18.1%	
Japan	77.1%	
Pacific Islands	1.4%	
TOTAL	100%	152.5