Q1 These shapes can be used to show fractions that are **equivalent to a quarter**.
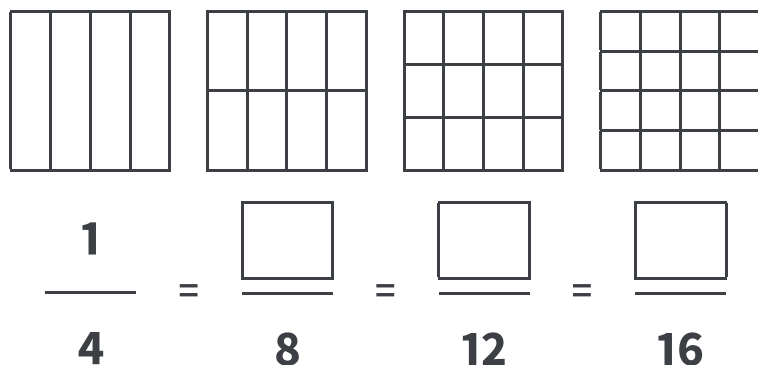
Shade $\frac{1}{4}$ of each of the shapes.

Write the fraction you have shaded.

$$\frac{1}{4} = \frac{\square}{8} = \frac{\square}{12} = \frac{\square}{16}$$

2 marks

Q2 Olivia knows the multiplication fact for 7 × 6.

She says, "I can use this fact to solve other calculations in my head, using doubling to help."

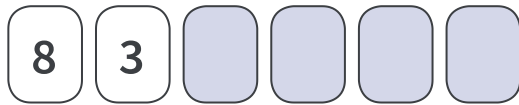Use Olivia's strategy to help complete the missing numbers.

If 7 × 6 = ☐ ,

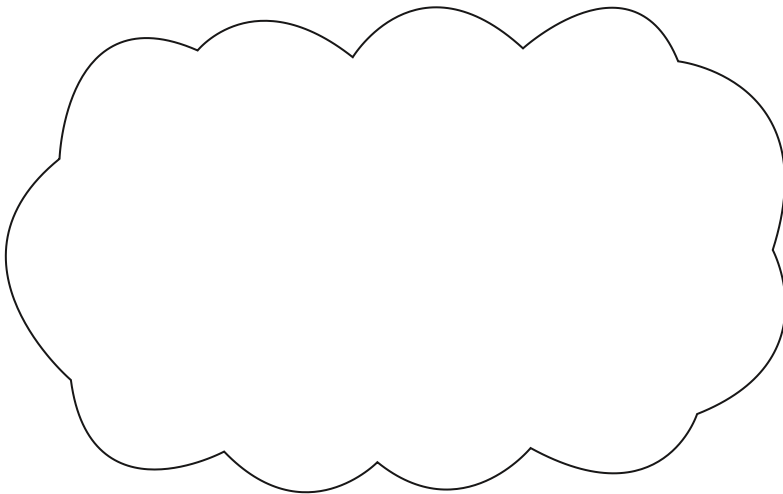then 14 × 6 = ☐

and 14 × 12 = ☐ .

1 mark

Q3 Jamie takes six digit cards and places them in a line, upside-down.

He turns the first two cards over.

| 8 | 3 | | | | |

Jamie says, "This six-digit number will round to 830,000 when rounded to the nearest 10,000."

Is this **always**, **sometimes** or **never** true? Explain your answer.

1 mark