

Snorkelling

4a. Sanjeet has completed the calculation below.

$$\frac{1}{8} \times 9 = \text{[Diagram: A circle divided into 8 equal sectors, with 9 sectors shaded blue.]} = \frac{9}{16}$$

Is he correct? Explain your answer fully.



S R

4b. Mia has completed the calculation below.

$$\frac{1}{10} \times 4 = \text{[Diagram: Four rectangles, each divided into 10 vertical strips, with 1 strip shaded green in each.]} \\ = \text{[Diagram: A single rectangle divided into 10 vertical strips, with 4 strips shaded green.]} = \frac{4}{10} = \frac{4}{5}$$

Is she correct? Explain your answer fully.



S R

5a. Use each digit card once to complete the calculation. The answer has been reduced to its simplest form.



$$\frac{1}{\square} \times \square = \frac{1}{\square}$$

Is there more than one solution?



S PS

5b. Use each digit card once to complete the calculation. The answer has been reduced to its simplest form.



$$\frac{1}{\square} \times \square = \frac{1}{\square}$$

Is there more than one solution?



S PS

6a. Solve the problem.

Tom cycles $\frac{1}{4}$ of a mile to school, two times a week.

Jasmine cycles $\frac{1}{12}$ of a mile to school, five times a week.

Jasmine thinks that she cycles further than Tom. Is she correct? Prove it.



S R

6b. Solve the problem.

Jim walks $\frac{1}{15}$ of a mile to the shops, four times a week.

Odell walks $\frac{1}{5}$ of a mile to the shops, two times a week.

Odell thinks that she walks further than Jim. Is she correct? Prove it.



S R