

# Answers

## Paddling

- 1a. Remy is incorrect. She has multiplied the denominator by 5 as well as the numerator but the denominator should remain the same. The answer is  $\frac{5}{8}$ .
- 2a.  $\frac{1}{7} \times 5 = \frac{5}{7}$
- 3a. Sunil is correct as  $\frac{5}{6}$  of a mile is further than  $\frac{7}{12}$  of a mile.

- 1b. Kai is incorrect. He has swapped the numerator and denominator around. The answer is  $\frac{4}{9}$ .
- 2b.  $\frac{1}{9} \times 8 = \frac{8}{9}$
- 3b. Layla is incorrect as  $\frac{3}{4}$  of a mile is greater than  $\frac{5}{8}$  of a mile.

## Snorkelling

- 4a. Sanjeet is incorrect. He has multiplied the denominator by 8. The denominator should remain the same. The answer is  $\frac{9}{8}$  converted to  $1\frac{1}{8}$ .
- 5a.  $\frac{1}{6} \times 2 = \frac{1}{3}$  or  $\frac{1}{6} \times 3 = \frac{1}{2}$
- 6a. Jasmine is incorrect as  $\frac{5}{6}$  of a mile is further than  $\frac{4}{12}$  of a mile.

- 4b. Mia is incorrect. She has not divided the numerator by 2 when simplifying. The answer is  $\frac{4}{10}$  which is  $\frac{2}{5}$  when simplified.
- 5b.  $\frac{1}{12} \times 3 = \frac{1}{4}$  or  $\frac{1}{12} \times 4 = \frac{1}{3}$
- 6b. Odell is incorrect as  $\frac{5}{15}$  of a mile is the same as  $\frac{2}{6}$  of a mile. Both fractions are equal to  $\frac{1}{3}$ .

## Diving

- 7a. Oscar is incorrect. He has simplified incorrectly as he has divided the denominator by 4 instead of by 2. The simplest form of  $1\frac{2}{8}$  is  $1\frac{1}{4}$ .
- 8a.  $\frac{1}{6} \times 10 = 1\frac{2}{3}$
- 9a. Sara is incorrect as  $\frac{8}{6} = 1\frac{2}{6} = 1\frac{1}{3}$  and  $\frac{6}{4} = 1\frac{2}{4} = 1\frac{1}{2}$ .  $1\frac{1}{2}$  of a mile is greater than  $1\frac{1}{3}$ .

- 7b. Tiana is incorrect. She has not divided the denominator when simplifying.
- $1\frac{3}{6} = 1\frac{1}{2}$
- 8b.  $\frac{1}{9} \times 12 = 1\frac{1}{3}$
- 9b. Matt is incorrect as  $\frac{12}{9} = 1\frac{3}{9} = 1\frac{1}{3}$  and  $\frac{8}{6} = 1\frac{2}{6} = 1\frac{1}{3}$ . Both children power walk the same number of miles.