

## Arithmetic

1.  $84,573 + 98,554$

2.  $2,304 \times 73$

3.  $\frac{4}{5} \times \frac{7}{8}$

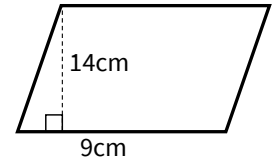
4. 19% of 4,500

## Practice: Area of a Parallelogram

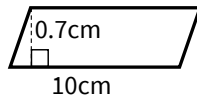
5. Recap: Write a formula to find the area of a parallelogram.



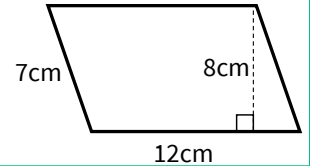
6. Calculate the area of this parallelogram.



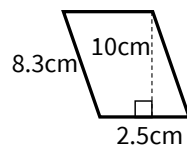
7. Calculate the area of this parallelogram.



8. Calculate the area of this parallelogram.



9. Calculate the area of this parallelogram.



10. Explain the link between the area of a parallelogram and a rectangle.



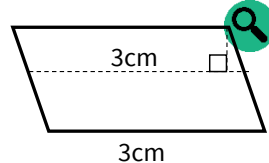
11. A parallelogram has an area of  $48\text{cm}^2$ . If its base is... what is its height?

- a. 12cm      b. 4cm      c. 16cm

12. A parallelogram has an area of  $50\text{cm}^2$ . If its height is... what is its base?

- a. 25cm      b. 0.5cm      c. 2.5cm

13. Tayyab is calculating the area of the parallelogram. He says the area is  $9\text{cm}^2$ . Is Tayyab correct? Explain.



Challenge

14. The area of a parallelogram is  $40\text{cm}^2$ .

Draw three different parallelograms that would have this area. Label the measures of the perpendicular height and base.



You might want to talk to an adult



Spot the mistake

## Answers

Q no.	Question	Answer
1	$84,573 + 98,554$	183,127
2	$2,304 \times 73$	168,192
3	$\frac{4}{5} \times \frac{7}{8}$	$\frac{28}{40}$ or $\frac{7}{10}$
4	19% of 4,500	855
5	Write a formula to find the area of a parallelogram.	base x perpendicular height = area
6	Calculate the area of this parallelogram.	126cm <sup>2</sup>
7	Calculate the area of this parallelogram.	7cm <sup>2</sup>
8	Calculate the area of this parallelogram.	96cm <sup>2</sup>
9	Calculate the area of this parallelogram.	25cm <sup>2</sup>
10	Explain the link between the area of a parallelogram and a rectangle.	Pupils should notice that if they take the triangle created by finding the perpendicular height and add it to the other side, it creates a rectangle. A rectangle and parallelogram with the same base and height/ perpendicular height will have the same area.
11	A parallelogram has an area of 48cm <sup>2</sup> . If its base is... what is its height?	a) 4cm, b) 12cm, c) 3cm
12	A parallelogram has an area of 50cm <sup>2</sup> . If its height is... what is its base?	a) 2cm, b) 100cm, c) 20cm
13	Is Tayyab correct? Explain.	Tayyab is incorrect. He has not found the perpendicular height and has instead found the base twice. Note that the pupils have not been asked to find the correct answer, only explain why Tayyab is incorrect.
14	The area of a parallelogram is 40cm <sup>2</sup> . Draw three different parallelograms that would have this area. Label the measures of the perpendicular height and base.	Accept answers that are clearly labelled and would give an answer of 40cm <sup>2</sup> . Possible answers: perpendicular height - 4cm, base - 10cm perpendicular height - 1cm, base - 40cm perpendicular height - 5cm, base - 8cm