Wednesday

Arithmetic

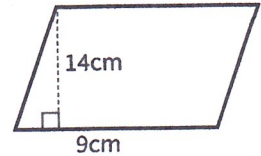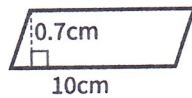|			
1. 84,573 + 98,554	**2.** 2,304 x 73	**3.** $\frac{4}{5}$ x $\frac{7}{8}$	**4.** 19% of 4,500

Practice: Area of a Parallelogram

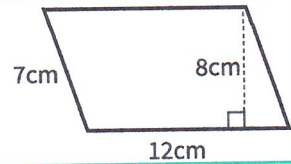**5.** Recap: Write a formula to find the area of 💬 a parallelogram.

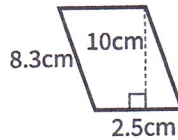**6.** Calculate the area of this parallelogram.

14cm
9cm

7. Calculate the area of this parallelogram.

0.7cm
10cm

8. Calculate the area of this parallelogram.

7cm   8cm
12cm

9. Calculate the area of this parallelogram.

8.3cm   10cm
2.5cm

10. Explain the link between the area of a 💬 parallelogram and a rectangle.
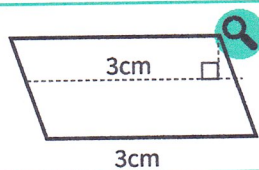
11. A parallelogram has an area of 48cm². If its base is… what is its height?

a. 12cm   b. 4cm   c. 16cm

12. A parallelogram has an area of 50cm². If its height is… what is its base?

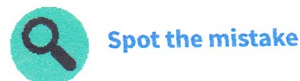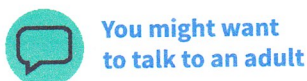a. 25cm   b. 0.5cm   c. 2.5cm

13. Tayyab is calculating the area of the parallelogram. He says the area is 9cm². Is Tayyab correct? Explain.

3cm
3cm

14. The area of a parallelogram is 40cm².

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

Challenge

💬 **You might want to talk to an adult**

🔍 **Spot the mistake**

Independent Recap | Year 6 | Measures

Answers

Q no.	Question	Answer
1	84,573 + 98,554	183,127
2	2,304 x 73	168,192
3	$\frac{4}{5}$ x $\frac{7}{8}$	$\frac{28}{40}$ 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.	126cm²
7	Calculate the area of this parallelogram.	7cm²
8	Calculate the area of this parallelogram.	96cm²
9	Calculate the area of this parallelogram.	25cm²
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 48cm². If its base is… what is its height?	a) 4cm, b) 12cm, c) 3cm
12	A parallelogram has an area of 50cm². 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 40cm². 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 40cm². Possible answers: perpendicular height - 4cm, base - 10cm perpendicular height - 1cm, base - 40cm perpendicular height - 5cm, base - 8cm