Skiing Stars WB 11.5.20

Please use this as a **suggested** guide to your week.

If you find any questions difficult after having had a go at it, feel free to move on to the next question. Alternatively you can email us and ask for some assistance.

For any White Rose resources it is important that you watch the accompanying White Rose guidance video before starting.
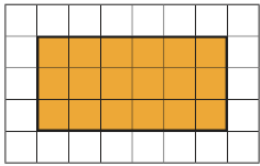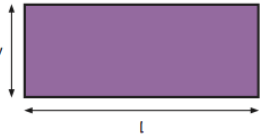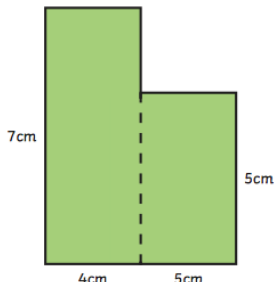
I have added additional YouTube clips to help, if needed.

Day	Monday	Tuesday	Wednesday	Thursday	Friday
Learning Objective	Area of Rectangles	Area of Compound Shapes	Equivalent Fractions	Converting Improper Fractions to Mixed Numbers	Converting Mixed Numbers to Improper Fractions
Resources	White Rose Summer Week 4 Lesson 1	See Below	White Rose Summer Week 4 Lesson 2	White Rose Summer Week 4 Lesson 3 Improper Fractions to Mixed Numbers	White Rose Summer Week 4 Lesson 3 Mixed Numbers to Improper Fractions
Other Helpful Resources

Use these as additional explanations to the White Rose videos, if needed. | YouTube - Area of Rectangles | | YouTube - Equivalent Fractions | YouTube - Convert Improper Fractions to Mixed Numbers | YouTube - Convert Mixed Numbers to Improper Fractions |
| Suggested Questions | Aim to do all the questions today. | Aim to complete all question in Task 1 (find below). Challenge: Task 2 | Aim to do questions 1-6. Challenge: Q7 and 8 | Aim to do questions 1-5. Challenge: Q6 and 7 | Aim to do questions 1-5. Challenge: Q6 |

Tuesday's Resources:

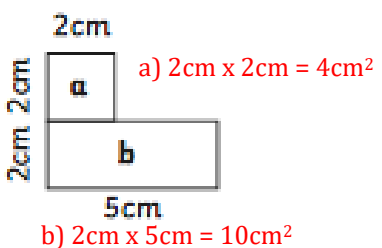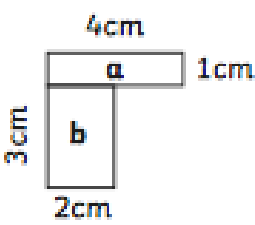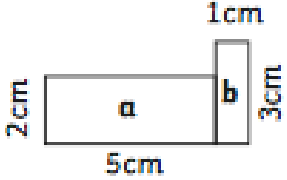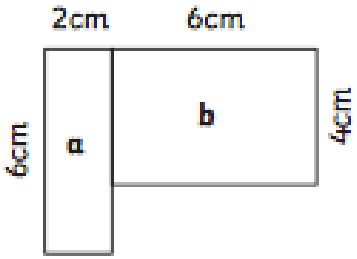### Area of Compound Shapes

Helpful information

Tuesday's Task 1

Area of Compound Shapes

First calculate the area of each rectangle.

Add the two areas together to get the total area.

1.

2cm

2cm 2cm

a

a) 2cm x 2cm = 4cm²

b

5cm

b) 2cm x 5cm = 10cm²

Area a: ___4___ cm²

Area b: ___10___ cm²   Total: ___14___ cm²

2.

4cm

3cm

a   1cm

b

2cm

Area a: _____ cm²

Area b: _____ cm²   Total: _____ cm²

3.

1cm

2cm

a

b   3cm

5cm

Area a: _____ cm²

Area b: _____ cm²   Total: _____ cm²

4.

2cm   6cm

6cm

a

b   4cm

Area a: _____ cm²

Area b: _____ cm²   Total: _____ cm²

5.

3cm   2cm

3cm

a

b   5cm

Area a: _____ cm²

Area b: _____ cm²   Total: _____ cm²

6.

3cm

5cm

4cm

a

b   6cm

Area a: _____ cm²

Area b: _____ cm²   Total: _____ cm²

Note: Compound shapes are not to scale.

Tuesday's Task 2

Area of Compound Shapes – Challenge

First identify the shapes where the area can be calculated – split the shape into two rectangles.

Then calculate the area of each rectangle.

Add the two areas together to get the total area.

1.

8cm

3cm

3cm x 8cm = 24cm²

3cm

3cm x 6cm = 18cm²

6cm

Total area
24
+ 18
4 2
1

Total: __42cm²__

2.

1cm

3cm

7cm

4cm

Total: _____

3.

3cm

1cm

4cm

5cm

Total: _____

4.

9cm

6cm

3cm

4cm

Total: _____

5.

4cm

2cm

5cm

6cm

Total: _____

6.

8cm

10cm

7cm

12cm

Total: _____

Note: Compound shapes are not to scale.

Answers

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Question	Answer			
	Identify the shapes where the area can be calculated. Calculate the area of each compound shape.			
1	Area a: **4cm²** Area b: **10cm²** Total: **14cm²**		6	Area a: **20cm²** Area b: **18cm²** Total: **38cm²**
2	Area a: **4cm²** Area b: **6cm²** Total: **10cm²**			
3	Area a: **10cm²** Area b: **3cm²** Total: **13cm²**			
4	Area a: **12cm²** Area b: **24cm²** Total: **36cm²**			
5	Area a: **9cm²** Area b: **10cm²** Total: **19cm²**			

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Question	Answer			
	Identify the shapes where the area can be calculated. Calculate the area of each compound shape.			
1	Total: **42cm²**		6	Total: **96cm²**
2	Total: **35cm²**			
3	Total: **38cm²**			
4	Total: **42cm²**			
5	Total: **38cm²**			