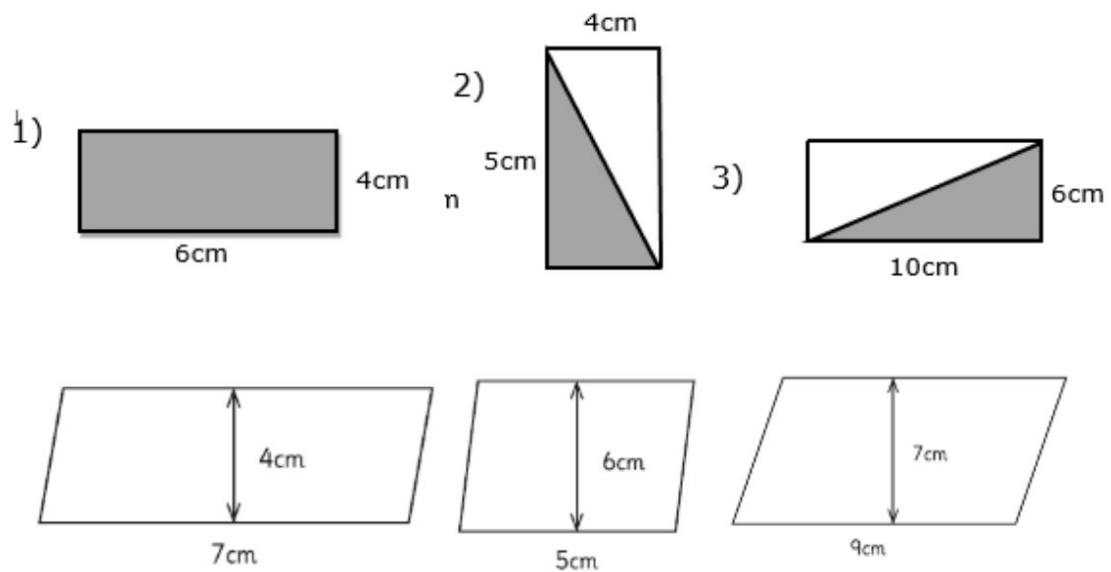


Red



Which parallelogram has the largest area? What is the difference between the largest and smallest area?

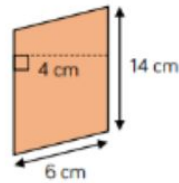
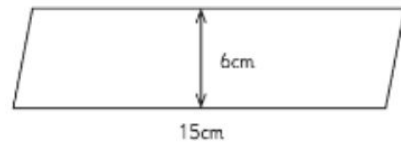
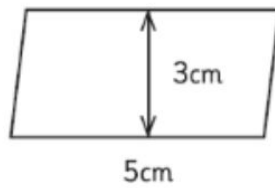
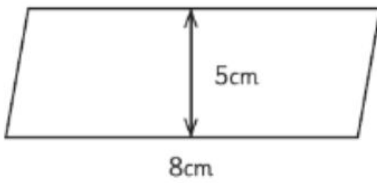
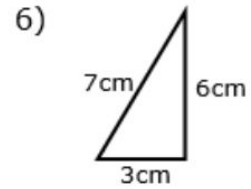
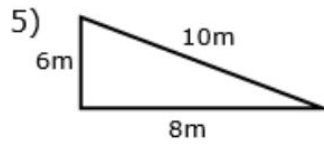
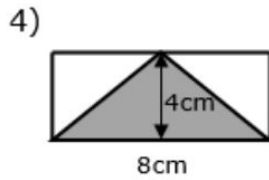
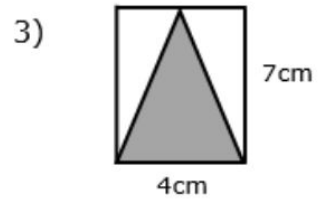
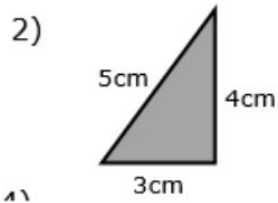
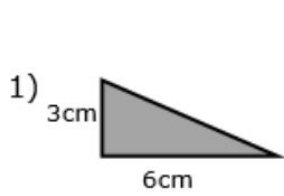
1. 24cm^2

2. 10cm^2

3. 30cm^2

4. $28\text{cm}^2, 30\text{cm}^2, 63\text{cm}^2 =$ Third has the largest area. Difference is 35cm^2

Yellow



Dexter thinks the area of the parallelogram is 84 cm^2 .

What mistake has Dexter made?

What is the correct area?

1. 9 cm^2

2. 6 cm^2

3. 14 cm^2

4. 16 cm^2

5. 24 cm^2

6. 9 cm^2

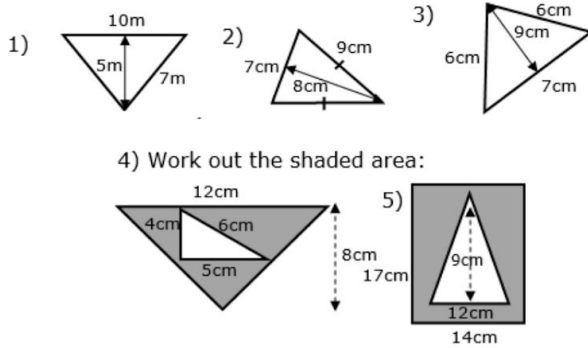
7. 40 cm^2

8. 15 cm^2

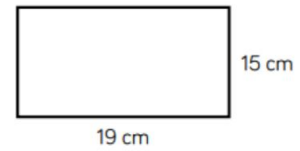
9. 90 cm^2

10. He's multiplied 14 by 6 instead of by 4. Correct area is 56 cm^2

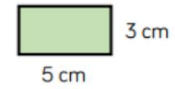
Green



Dora and Eva are creating a mosaic.
They are filling a sheet of paper this size.



Dora is using tiles that are rectangular.



Eva's tiles are parallelograms.



Dora thinks that she will use fewer tiles than Eva to fill the page because her tiles are bigger.

Do you agree? Explain your answer.

1. 25m^2

2. 28cm^2

3. 31.5cm^2

4. 86cm^2

5. 184cm^2

6. Dora is wrong, both tiles have the same area, so they will need the same number of tiles. The area is 285cm^2 and you would need 19 tiles to complete the pattern.