RECALL

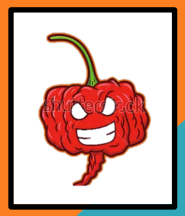
A cat sleeps for **12 hours** each day.

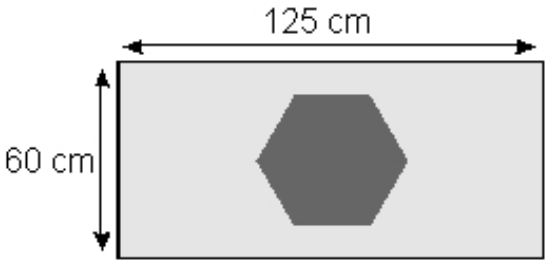
50% of its life is spent asleep.

Write the missing percentage.

A koala sleeps for **18 hours** each day.

%	of its life is spent asleep.





What is the area of this flag?

23% of the flag is blue.

What area of the flag is blue?

RECALL ANSWERS

A cat sleeps for **12 hours** each day.

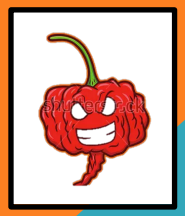
50% of its life is spent asleep.

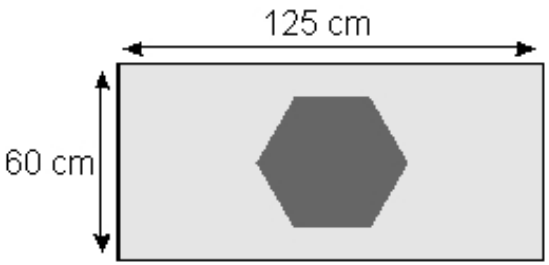
Write the missing percentage.

A koala sleeps for **18 hours** each day.

75 %

of its life is spent asleep.





What is the area of this flag? 7500cm^2

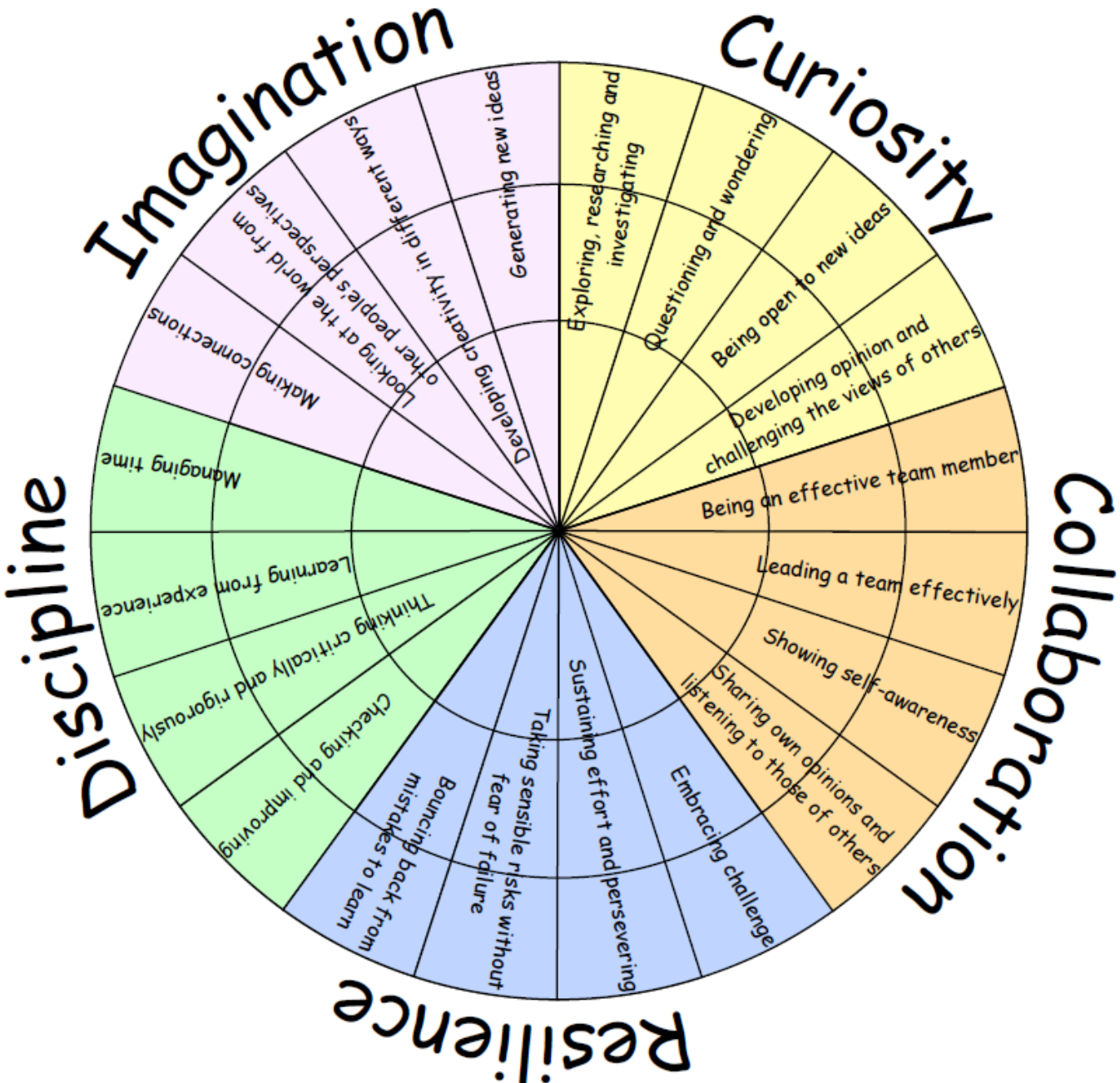
23% of the flag is blue.

What area of the flag is blue? 1725cm^2

I CAN USE PERCENTAGES WITHIN PROBLEM SOLVING

Percentage

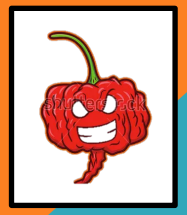
LEARNING HABITS?



GUIDED PRACTICE

1) How much does Jen pay for her computer?

2) What is the full price of Amal's television?



Jen also buys a case for her new computer.
The case is reduced by 30%.
The price is now £42.

What was the full price of the computers case?

DIVE DEEPER 1

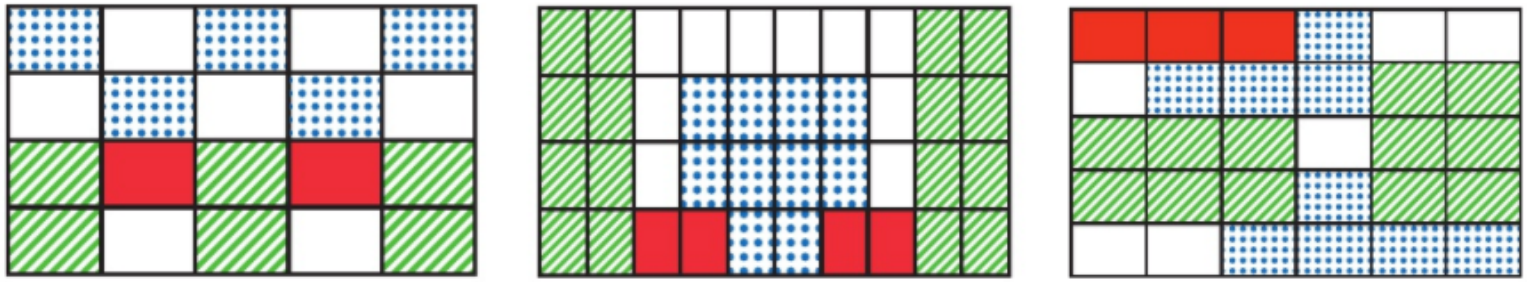
1) The table shows the number of customers in the shop on the day of the sale.

Find the missing information.

	Adults	Children
Percentage (%) of total customers	60%	
Number of customers		700

2a) Which grid matches this description.

25% dotted blue, 40% striped green and 10% solid red.



A B C

b) What percentage if the grid you identified in part a) is white?

c) Write descriptions for describe the other two grids.

DIVE DEEPER 1 ANSWERS

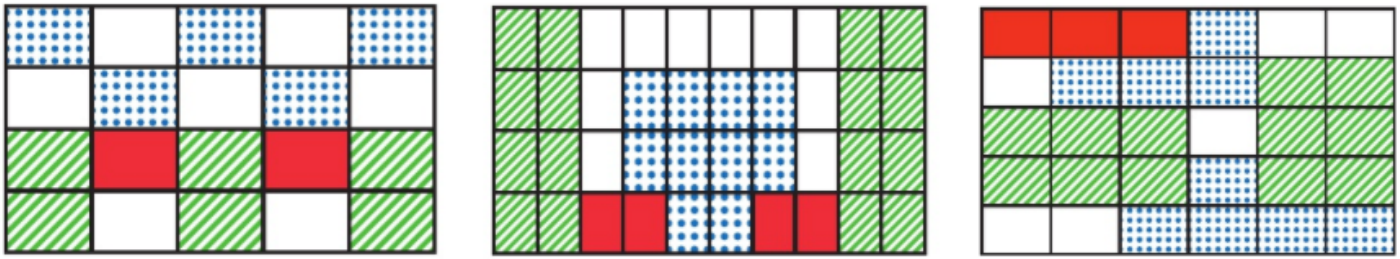
1) The table shows the number of customers in the shop on the day of the sale.

Find the missing information.

	Adults	Children
Percentage (%) of total customers	60%	1050
Number of customers	40%	700

2a) Which grid matches this description.

B = 25% dotted blue, 40% striped green and 10% solid red.



A B C

b) What percentage if the grid you identified in part a) is white? 25%

c) A = 25% dotted blue, 30% striped green, 10% solid red and 35% white

C= 30% dotted blue, 40% striped green, 10% solid red and 20% white

DIVE DEEPER 2

3) The class is voting for Alex, Jamie or Lee to be on the School Council.

What percentage of votes did the winner get?

4) A shop offers a 15% discount on sale items. A washing machine is usually £280.

How much is the washing machine in the sale?

5) There are 120 children in year 6.

- 30% of the children cycle to school
- 25% of the children come to school by car
- The rest walk to school

How many children walk to school?

DIVE DEEPER 2 ANSWERS

3) The class is voting for Alex, Jamie or Lee to be on the School Council.

What percentage of votes did the winner get? Jamie won with 40% of the votes.

4) A shop offers a 15% discount on sale items. A washing machine is usually £280.

How much is the washing machine in the sale? £238

5) There are 120 children in year 6.

- 30% of the children cycle to school
- 25% of the children come to school by car
- The rest walk to school

How many children walk to school? 54 children walk to school.

DIVE DEEPER 3

6) The table shows information about 240 flights from a French airport.

Complete the table

Destination	Number of flights	Percentage of total flights
Other French cities		30%
European cities	132	
Cities outside Europe		

7) 1800 children visited a museum at the weekend. This number was 40% of the total visitors.

How many visitors were there altogether?

8) Complete the statement.

35% of 180 = 30% of _____

DIVE DEEPER 3 ANSWERS

6) The table shows information about 240 flights from a French airport.

Complete the table

Destination	Number of flights	Percentage of total flights
Other French cities	72	30%
European cities	132	55%
Cities outside Europe	36	15%

7) 1800 children visited a museum at the weekend. This number was 40% of the total visitors.

How many visitors were there altogether? 4500

8) Complete the statement.

35% of 180 = 30% of 210