



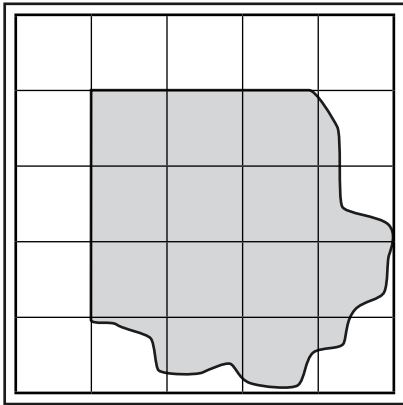
# Estimating Area

I can estimate the area of irregular shapes.



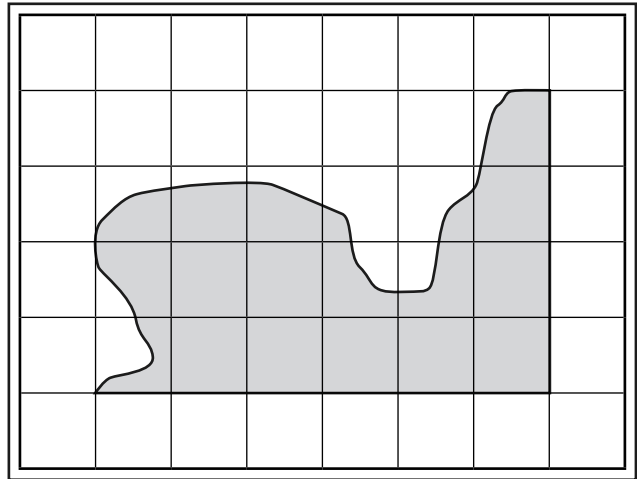
- 1) Count whole squares and squares which are half-filled or more to estimate the area of these shapes.

a)



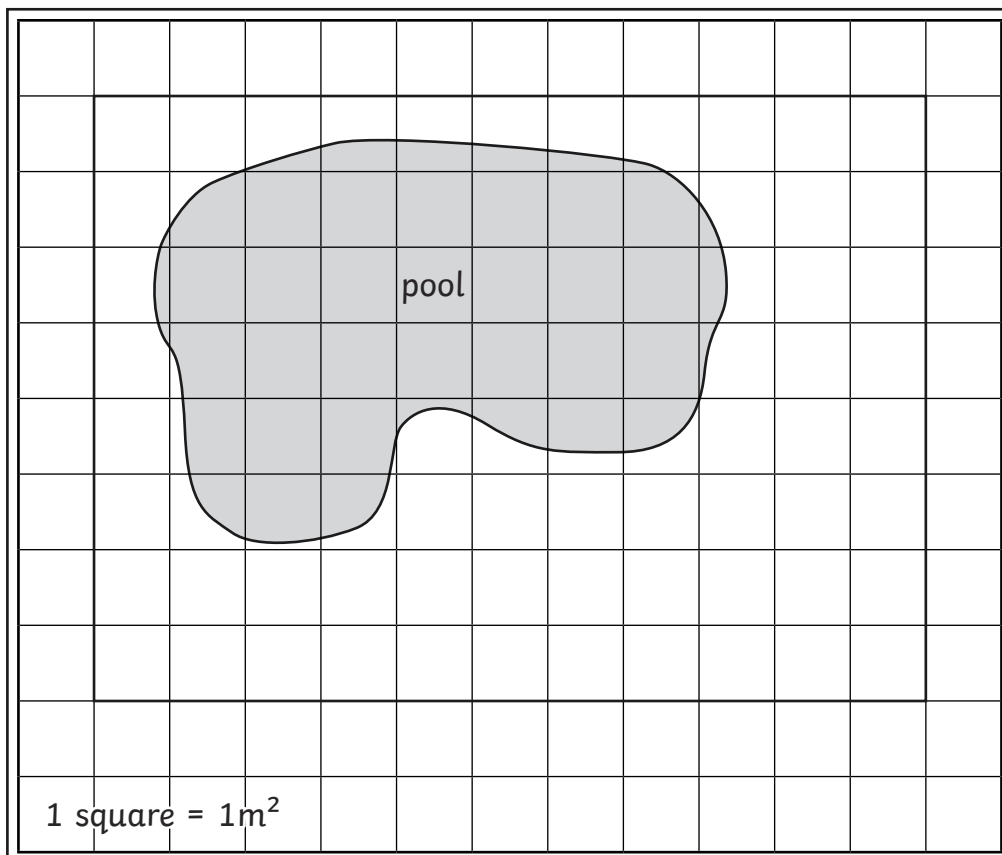
Estimate: \_\_\_\_\_

b)



Estimate: \_\_\_\_\_

- 2) Estimate different areas within the penguin enclosure.



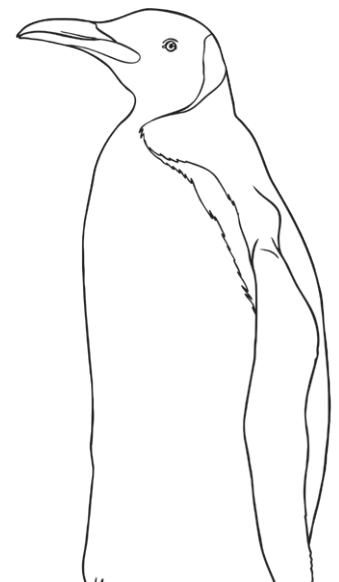
Estimate the area of:

- a) the whole enclosure

\_\_\_\_\_

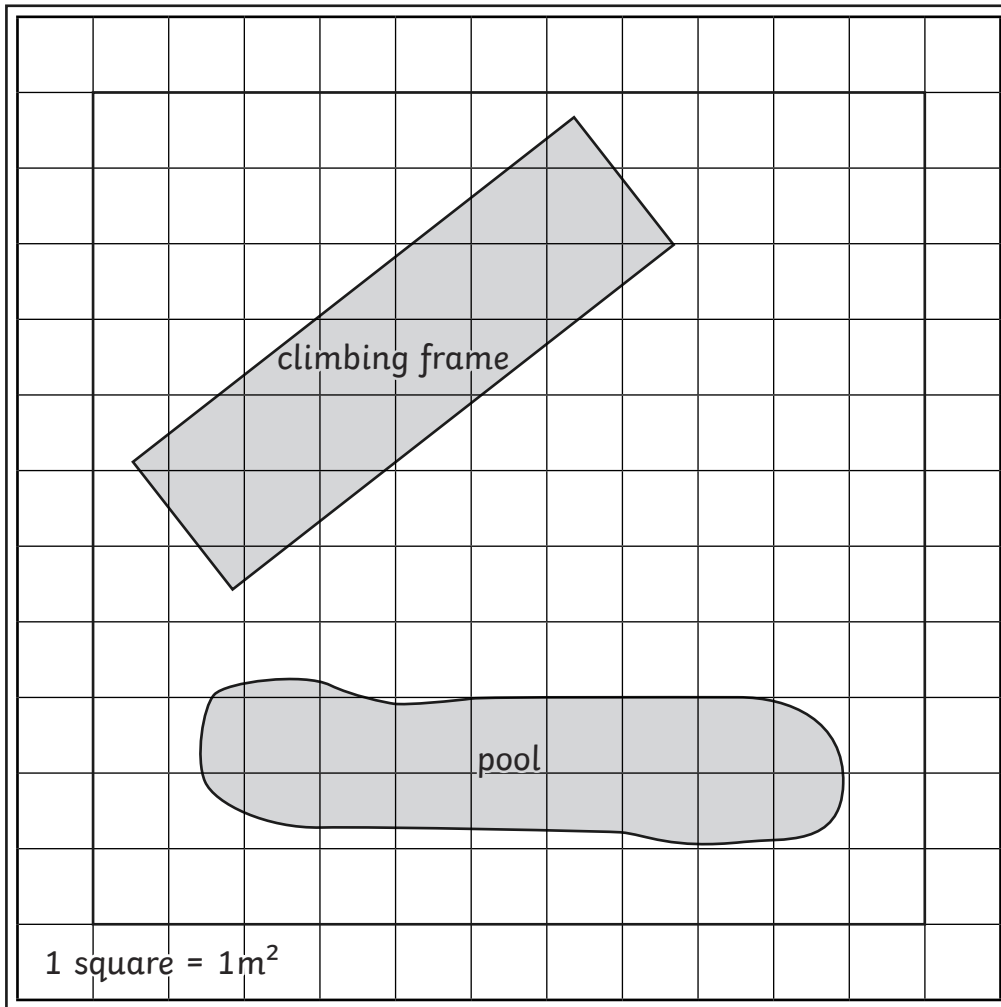
- b) the pool area

\_\_\_\_\_





3) Estimate different areas within the monkey enclosure.



Estimate the area of:

a) the whole enclosure

\_\_\_\_\_

b) the pool area

\_\_\_\_\_

c) the climbing frame

\_\_\_\_\_





# Estimating Area **Answers**

Question	Answer
1.	Count whole squares and squares which are half-filled or more to estimate the area of these shapes. Accept answers within +/- 1m <sup>2</sup> .
a	<b>13 squares</b>
b	<b>15 squares</b>
2.	Estimate different areas within the penguin enclosure. Accept answers within +/- 2m <sup>2</sup> .
a	the whole enclosure <b>88m<sup>2</sup></b>
b	the pool area <b>27m<sup>2</sup></b>
3.	Estimate different areas within the monkey enclosure. Accept answers within +/- 2m <sup>2</sup> .
a	the whole enclosure <b>121m<sup>2</sup></b>
b	the pool area <b>16m<sup>2</sup></b>
c	the climbing frame <b>14m<sup>2</sup></b>



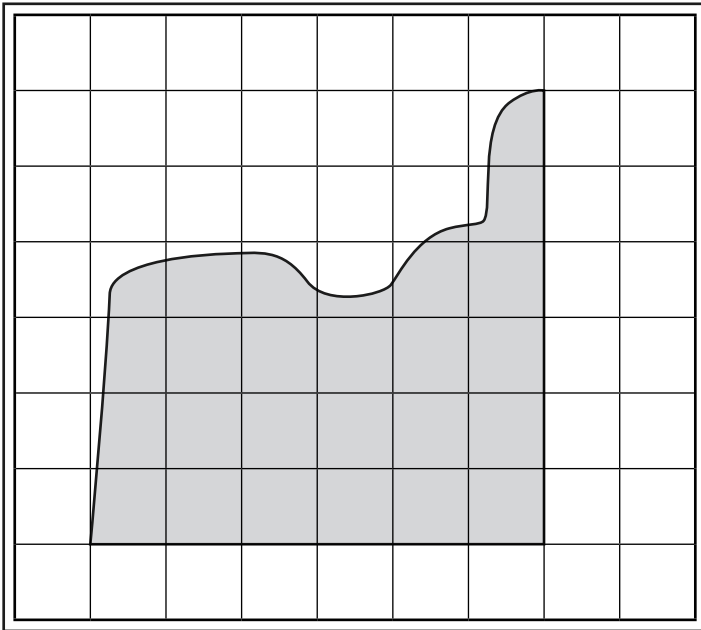
# Estimating Area

I can estimate the area of irregular shapes.



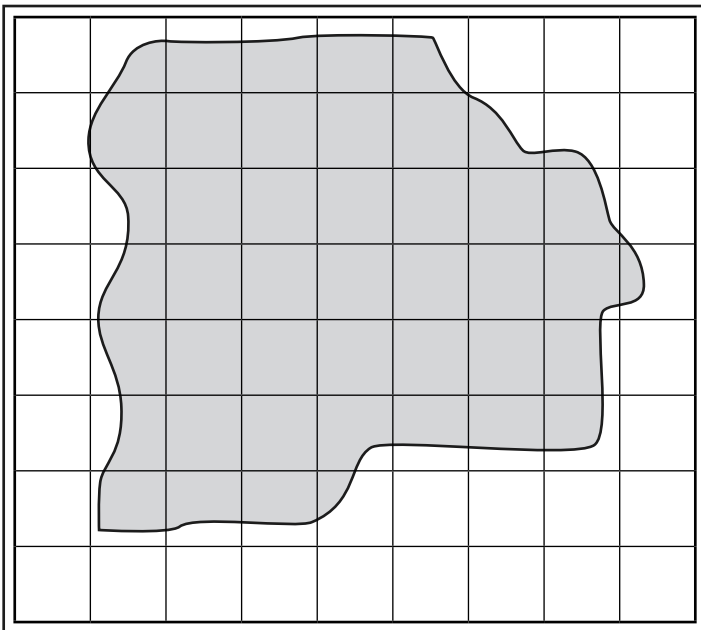
- 1) Count whole squares and squares which are half-filled or more to estimate the area of these shapes.

a)



Estimate: \_\_\_\_\_

b)

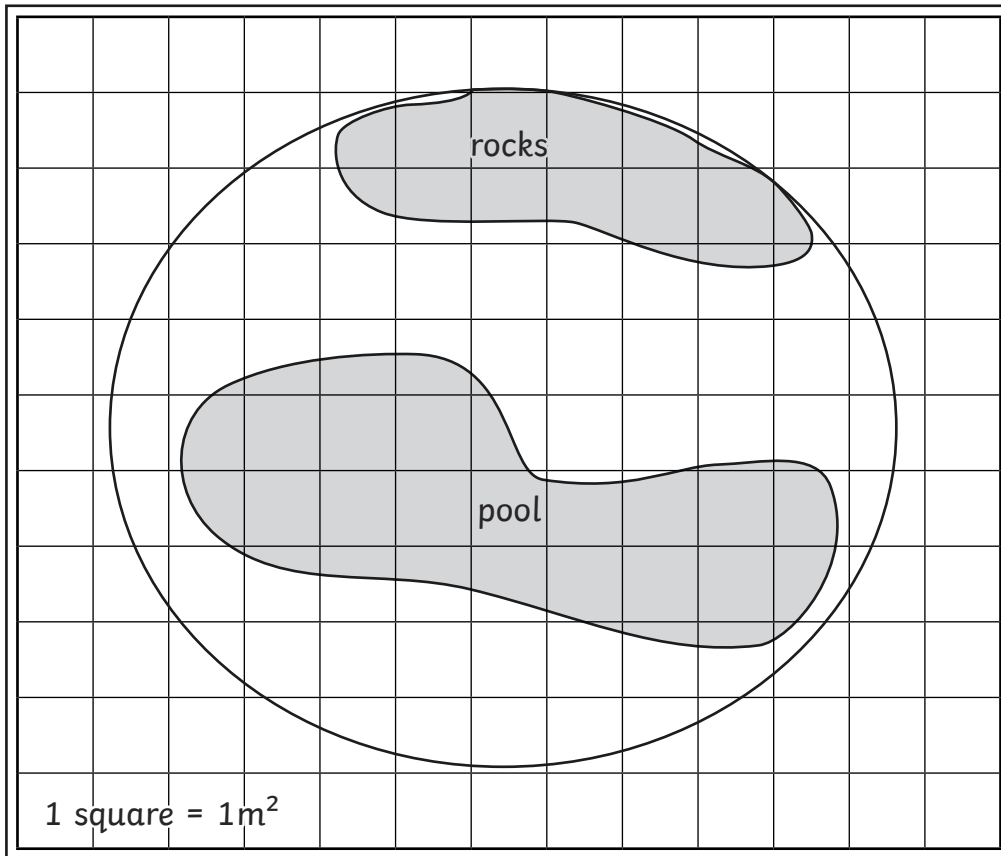


Estimate: \_\_\_\_\_





2) Estimate different areas within the penguin enclosure.



Estimate the area of:

a) the whole enclosure

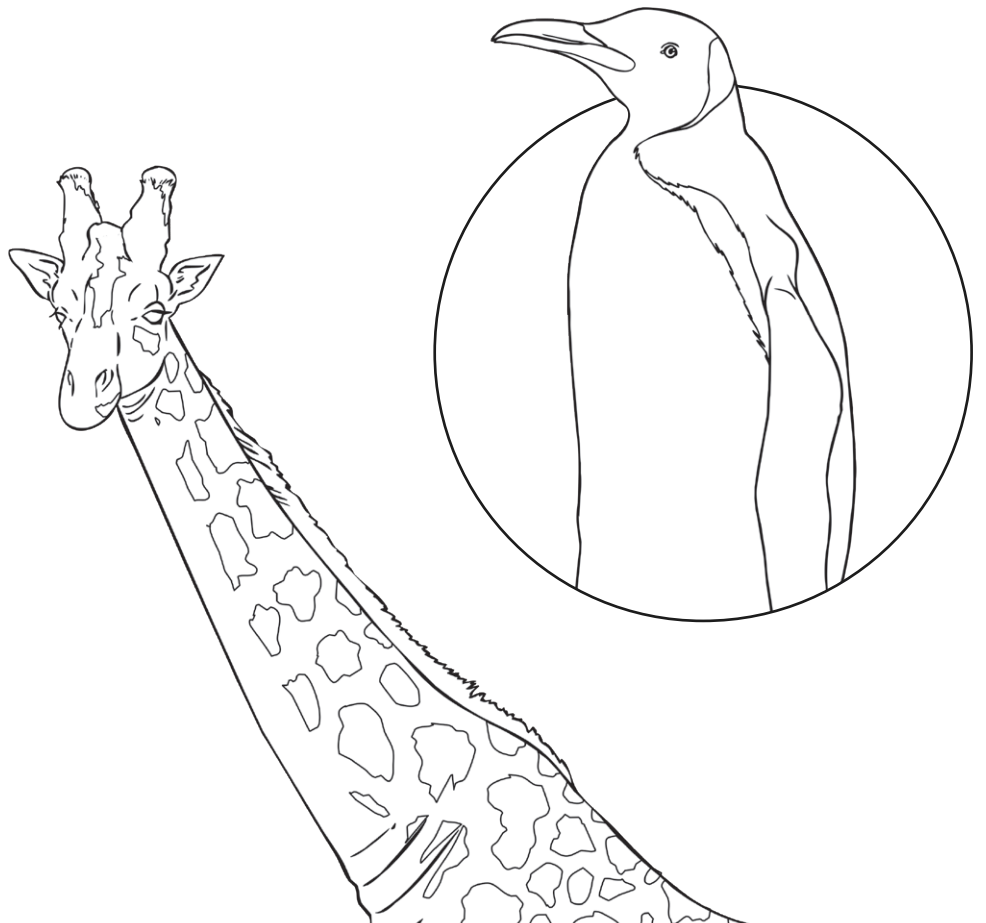
\_\_\_\_\_

b) the pool area

\_\_\_\_\_

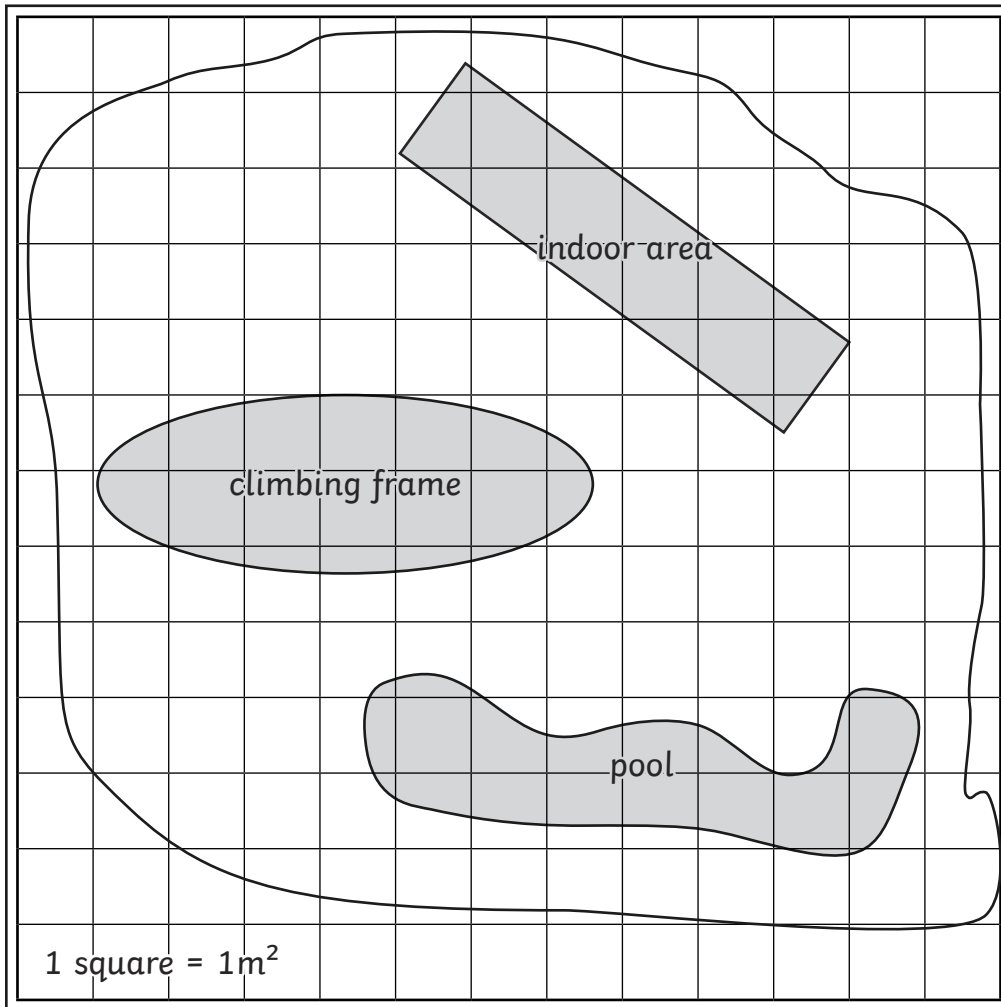
c) the rocks

\_\_\_\_\_





3) Estimate different areas within the monkey enclosure.



Estimate the area of:

a) the whole enclosure

\_\_\_\_\_

b) the pool area

\_\_\_\_\_

c) the climbing frame

\_\_\_\_\_

d) the indoor area

\_\_\_\_\_





# Estimating Area **Answers**

Question	Answer
<b>1.</b>	Count whole squares and squares which are half-filled or more to estimate the area of these shapes. Accept answers within +/- 1m <sup>2</sup> .
a	<b>25 squares</b>
b	<b>41 squares</b>
<b>2.</b>	Estimate different areas within the penguin enclosure. Accept answers within +/- 2m <sup>2</sup> .
a	the whole enclosure <b>73m<sup>2</sup></b>
b	the pool area <b>20m<sup>2</sup></b>
c	the rocks <b>10m<sup>2</sup></b>
<b>3.</b>	Estimate different areas within the monkey enclosure. Accept answers within +/- 2m <sup>2</sup> .
a	the whole enclosure <b>136m<sup>2</sup></b>
b	the pool area <b>11m<sup>2</sup></b>
c	the climbing frame <b>11m<sup>2</sup></b>
d	the indoor area <b>9m<sup>2</sup></b>



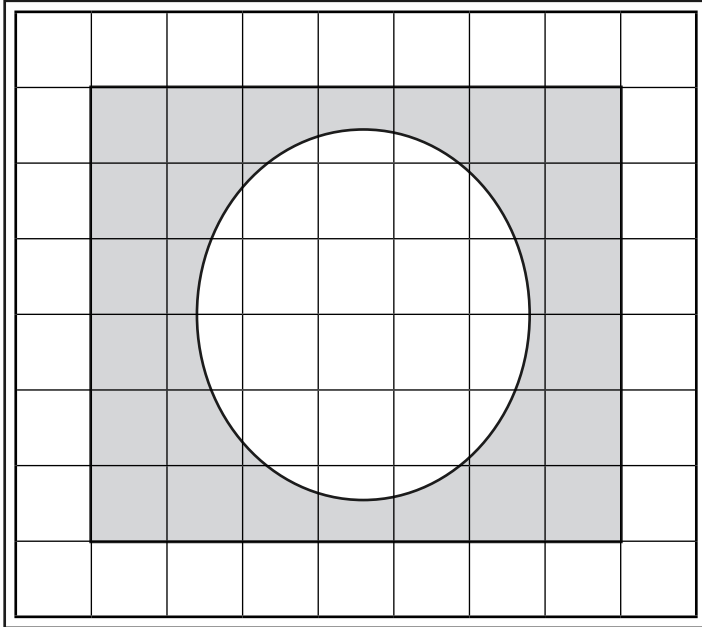
# Estimating Area

I can estimate the area of irregular shapes.



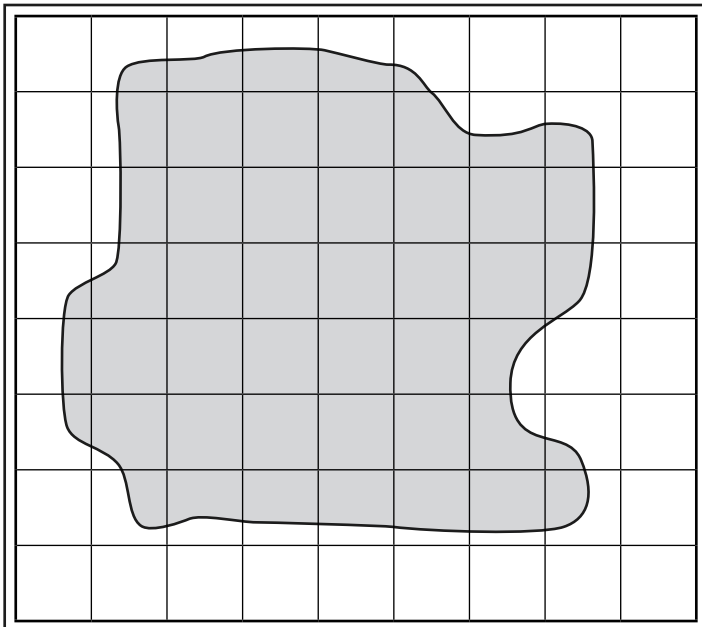
1) Estimate the area of these shapes. You can make notes on the shapes to help.

a)



Estimate: \_\_\_\_\_

b)



Estimate: \_\_\_\_\_

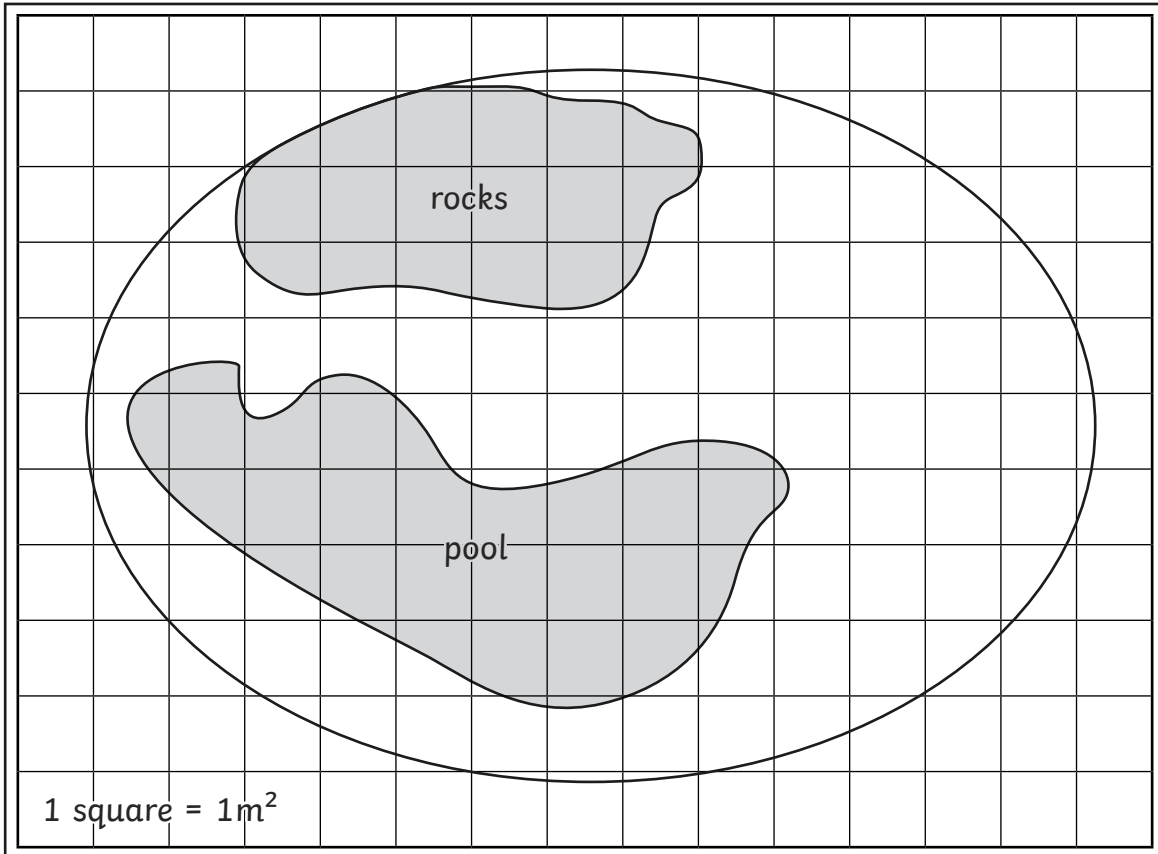


2) Explain how you and your partner could have different answers but both be marked correct.





3) Estimate different areas within the penguin enclosure.



Estimate the area of:

a) the whole enclosure

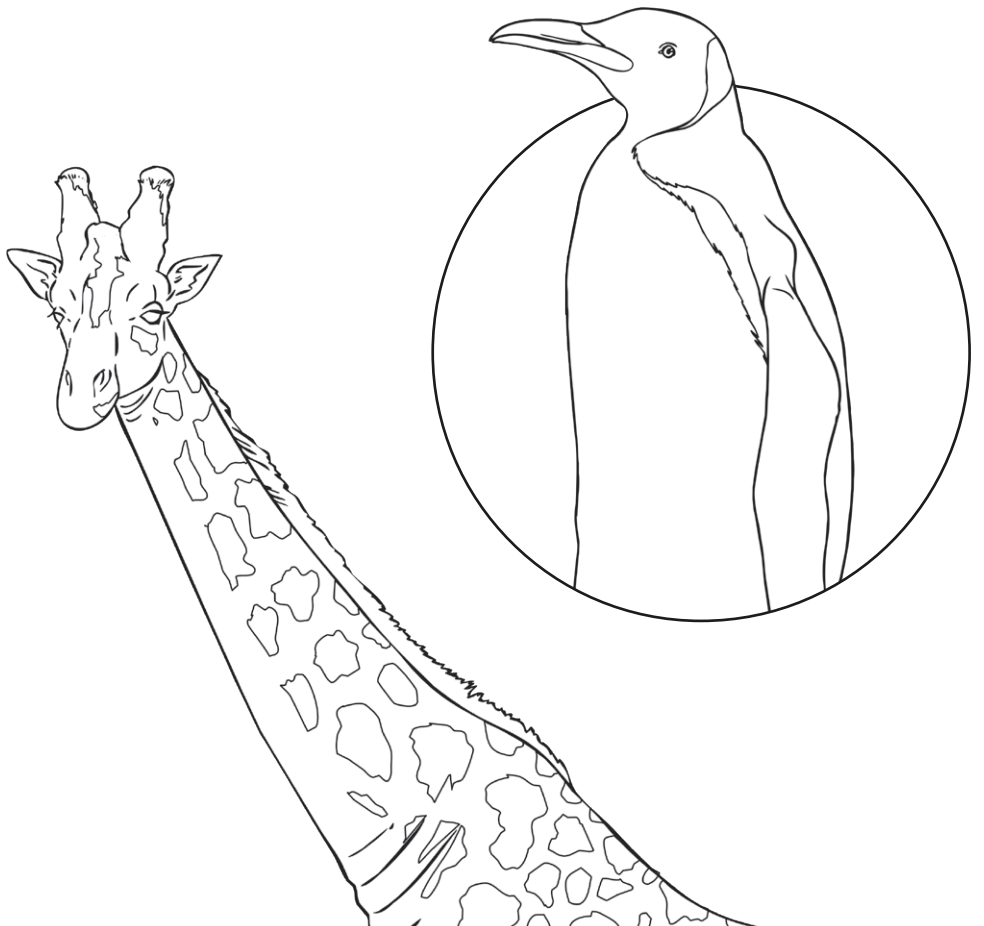
\_\_\_\_\_

b) the pool area

\_\_\_\_\_

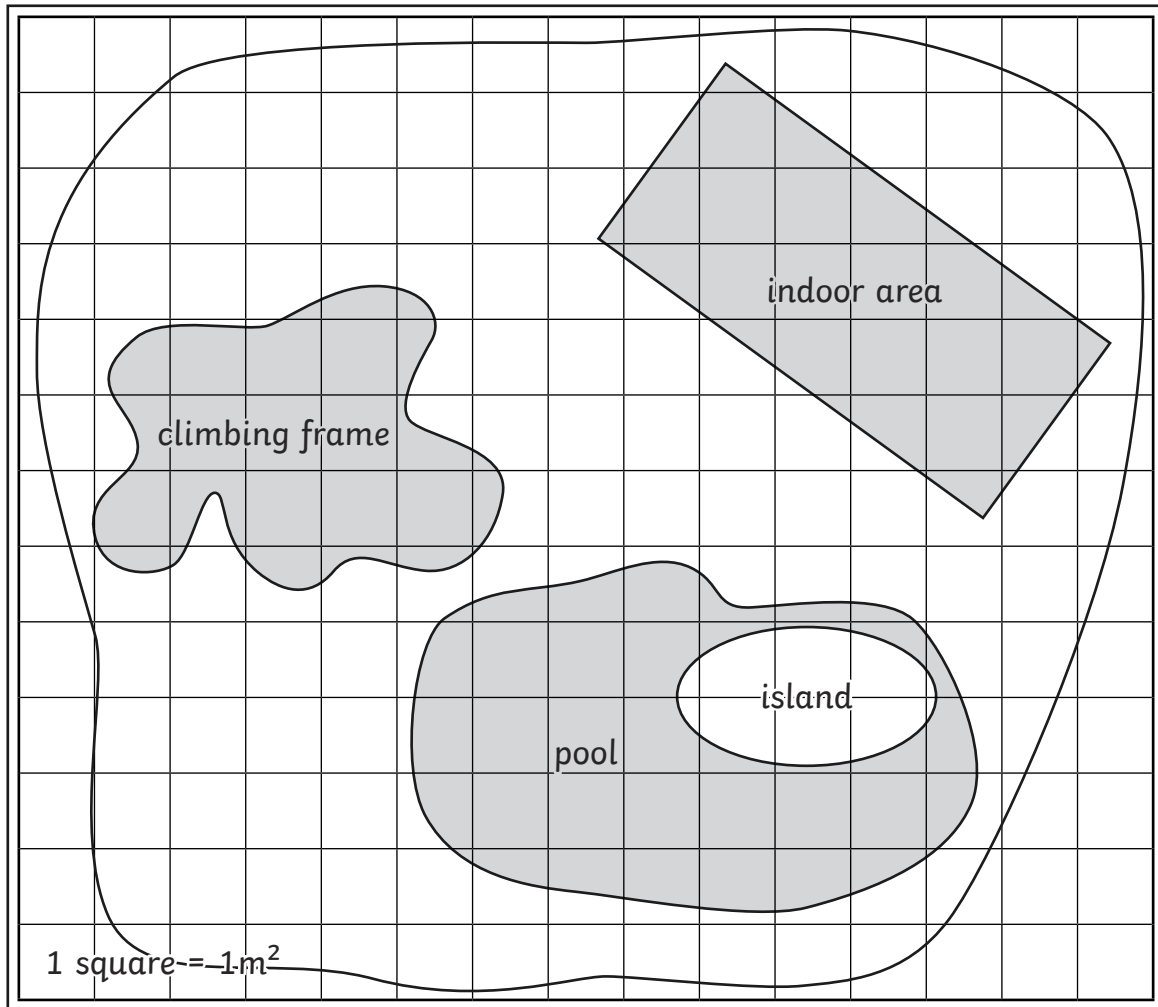
c) the rocks

\_\_\_\_\_





4) Estimate different areas within the monkey enclosure.



Estimate the area of:

a) the whole enclosure

\_\_\_\_\_

b) the pool area

\_\_\_\_\_

c) the climbing frame

\_\_\_\_\_

d) the indoor area

\_\_\_\_\_

e) the island

\_\_\_\_\_





# Estimating Area Answers

Question	Answer
1.	Estimate the area of these shapes. You can make notes on the shapes to help. Accept answers within +/- 1m <sup>2</sup> .
a	<b>28 squares</b>
b	<b>37 squares</b>
2.	Explain how you and your partner could have different answers but both be marked correct. <b>Answers should show understanding that there may be squares that some people would count as half-filled while others wouldn't.</b>
3.	Estimate different areas within the penguin enclosure. Accept answers within +/- 2m <sup>2</sup> .
a	the whole enclosure <b>98m<sup>2</sup></b>
b	the pool area <b>19m<sup>2</sup></b>
c	the rocks <b>16m<sup>2</sup></b>
4.	Estimate different areas within the monkey enclosure. Accept answers within +/- 2m <sup>2</sup> .
a	the whole enclosure <b>166m<sup>2</sup></b>
b	the pool area <b>22m<sup>2</sup></b>
c	the climbing frame <b>14m<sup>2</sup></b>
d	the indoor area <b>19m<sup>2</sup></b>
e	the island <b>6m<sup>2</sup></b>