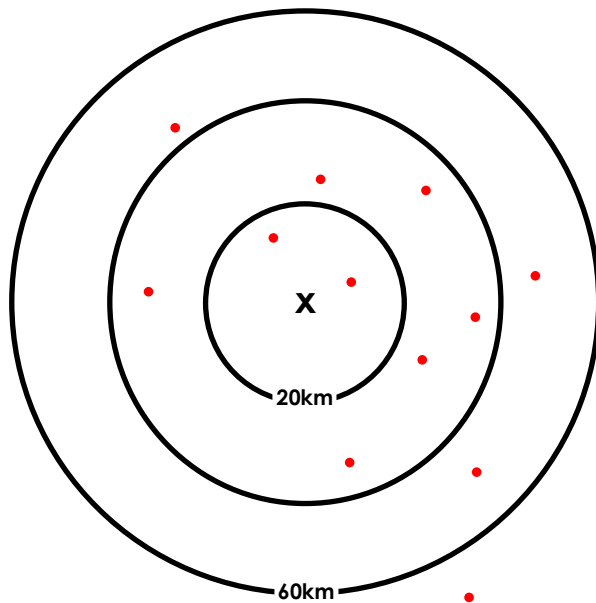




YR6 SATS PREPARATION - THREE A DAY REASONING

REASONING 1

Below is a diagram showing the location of planes in the surrounding area of an airport (marked X).

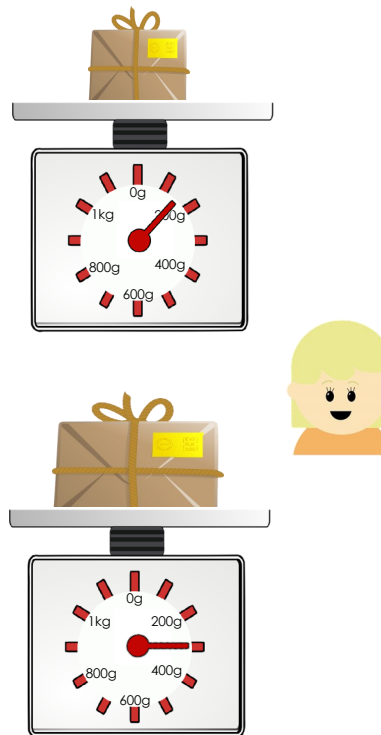


How many planes are within a range of 20 - 40km?

Look at the plane furthest away from the airport. Estimate the distance it still needs to fly to reach the runway.

REASONING 2

A parcel costs £0.89 to post plus £1.50 for every 100 grams it weighs. Jane goes into the post office with the following items...



Calculate the total postage costs of her mail.

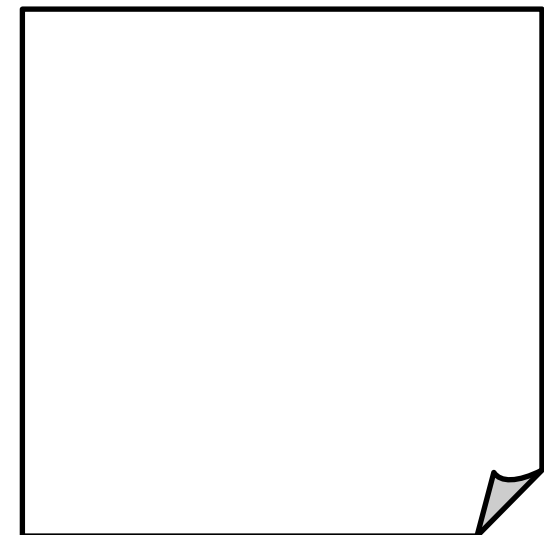
REASONING 3

Here is a calculation.

$$7,356 \div 12 = 613$$

Explain how you can use what you know to work out the answer to the following calculation.

$$7,356 \div 24 = \boxed{}$$



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YR6 SATS PREPARATION - THREE A DAY REASONING **ANSWERS**

REASONING 1 ANSWER

There are **6** places within 20-40 km of the airport.

The furthest plane away from the runway still has **68-72 km** to travel.

REASONING 2 ANSWER

The total cost of Jane's post is **£8.53**.

2 parcels x £0.89 standard cost = £1.78

Parcel 1 - 150g

1.5 x £1.50 = £2.25

Parcel 2 - 300g

3 x £1.50 = £4.50

£1.78 + £2.25 + £4.50 = £8.53

REASONING 3 ANSWER

Here is an example of a model response from your pupils.

I know that $7,356 \div 12 = 613$. If you divide by 24 the answer is going to be half as small...

That means that $7,356 \div 24 = (613 \div 2)$

The answer is **306.5**

