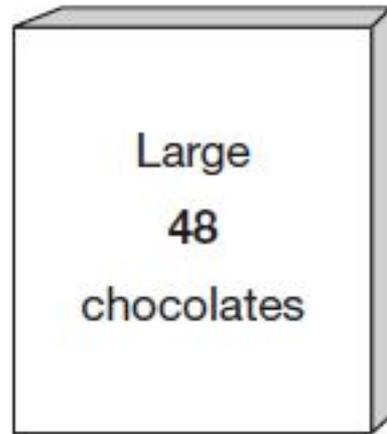


RECALL

Ken buys 3 large boxes and 2 small boxes of chocolates.

Each large box has 48 chocolates. Each small box has 24 chocolates.

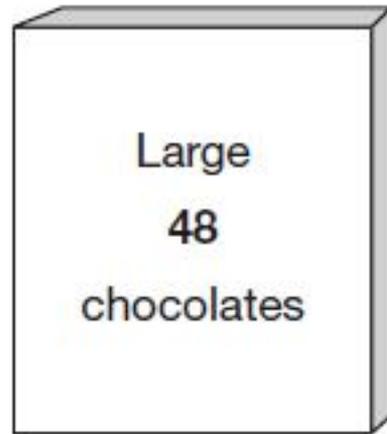


How many chocolates did Ken buy altogether?

RECALL ANSWERS

Ken buys 3 large boxes and 2 small boxes of chocolates.

Each large box has 48 chocolates. Each small box has 24 chocolates.

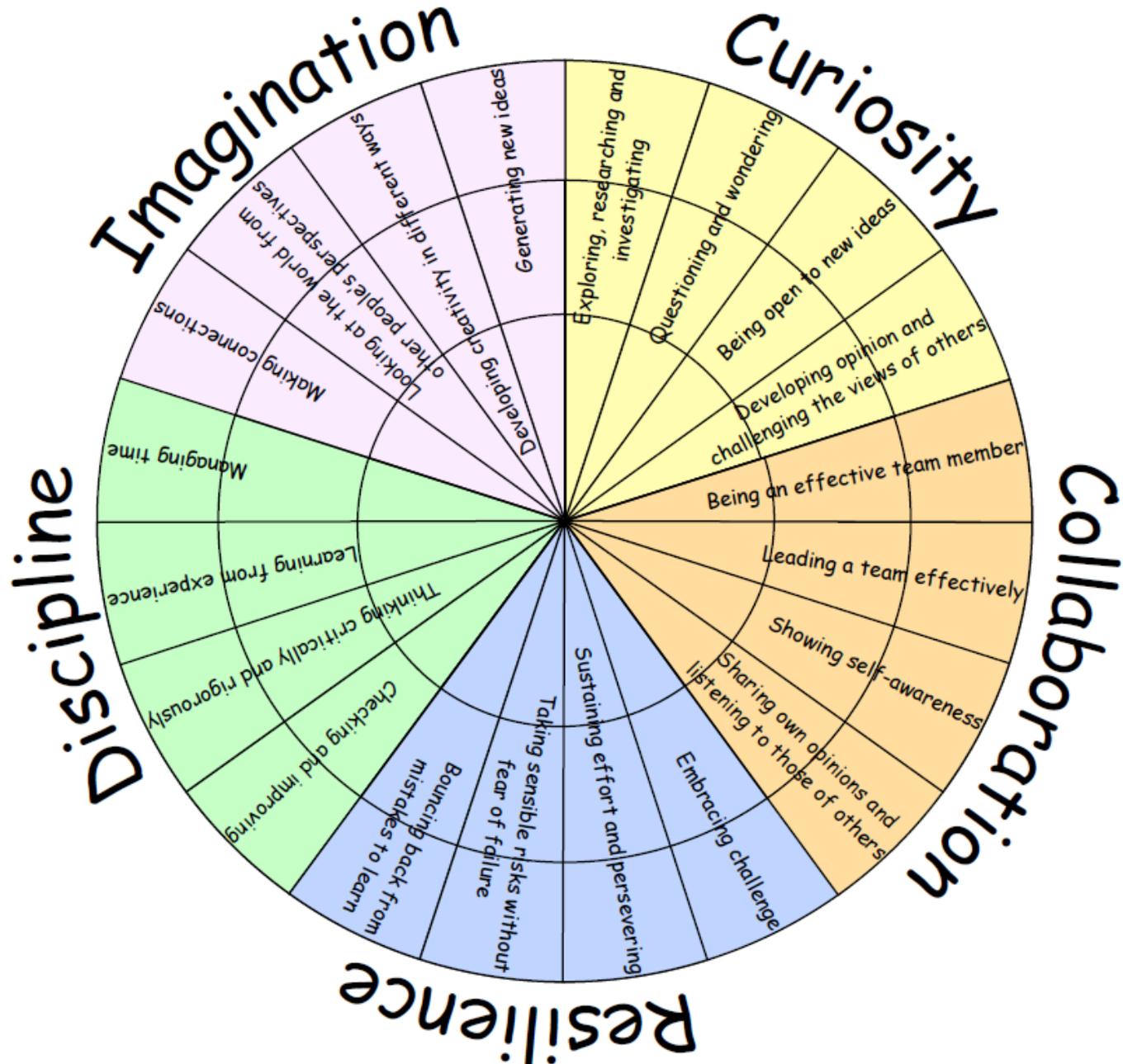


How many chocolates did Ken buy altogether? **192 chocolates**

I CAN SOLVE MULTI-STEP
WORD PROBLEMS AND
INVESTIGATIONS INVOLVING
ALL 4 OPERATIONS FROM A
LARGE RANGE OF CONTEXTS

Problem Solving (19v)

LEARNING HABITS?



GUIDED PRACTICE

1) A computer game costs £12.50 more than a puzzle book.

Zac buys 1 computer game and 2 puzzle books for £35.

How much does each item cost?



2) A box of pencils is half the price of a computer game.

How many boxes of pencils can Isla buy for £35?

DIVE DEEPER 1

1) Entry to a castle costs £6.50 more for adults than for children.

The cost for a family with one adult and four children is £49.

What is the cost of each ticket?

2) A whistle costs 85p less than a toy car.

Isla buys 3 whistles and 1 toy car for £5.25.

How much does each item cost?

3) Sand is sold in small bags and larger bags.

There are 75 small bags and 60 large bags.

The total mass of the small bags is 300kg.

The total mass of the large bags is twice as much.

How much heavier is a large bag than a small bag?

DIVE DEEPER 1 ANSWERS

1) Entry to a castle costs £6.50 more for adults than for children.

The cost for a family with one adult and four children is £49.

What is the cost of each ticket? **Adult = £15**

Child = £6.50

2) A whistle costs 85p less than a toy car.

Isla buys 3 whistles and 1 toy car for £5.25.

How much does each item cost? **Whistle = £1.10**

Toy Car = £1.95

3) Sand is sold in small bags and larger bags.

There are 75 small bags and 60 large bags.

The total mass of the small bags is 300kg.

The total mass of the large bags is twice as much.

How much heavier is a large bag than a small bag? **A heavy bag is 6kg heavier.**

DIVE DEEPER 2

4) A supermarket needs to deliver 270 online shopping orders.

A van can carry 25 orders at a time.

How many van trips are needed to deliver all the orders?

5) A drama group pays £538 to hire a coach to take 40 children to the theatre.

The cost of the coach is shared equally between the children, rounded to the nearest £1.

Theatre tickets cost £14.75 each.

a) How much does each child pay in total for the trip?

b) Do the children pay enough money to pay for the coach?

DIVE DEEPER 2 ANSWERS

4) A supermarket needs to deliver 270 online shopping orders.

A van can carry 25 orders at a time.

How many van trips are needed to deliver all the orders? **11 trips are needed.**

5) A drama group pays £538 to hire a coach to take 40 children to the theatre.

The cost of the coach is shared equally between the children, rounded to the nearest £1.

Theatre tickets cost £14.75 each.

a) How much does each child pay in total for the trip? **£27.75**

b) Do the children pay enough money to pay for the coach? **No, the coach cost £13.45 but they pay only £13 because the cost is rounded down to the nearest £1.**

DIVE DEEPER 3

6) There are 40 tins of blue paint. There are also tins of red paint.

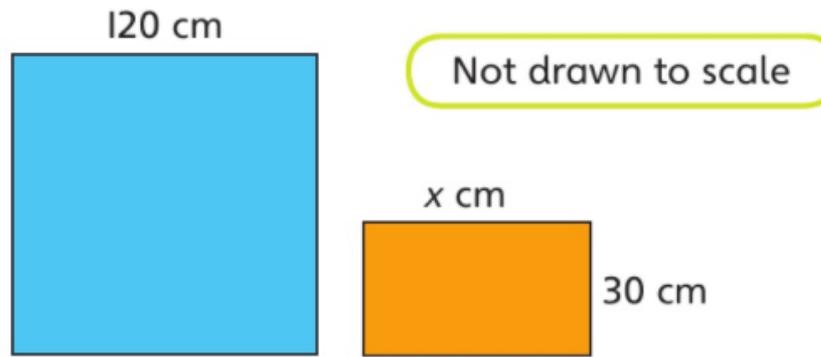
The total number of litres of red paint is half the total number of litres of blue paint.

How many tins of red paint are there?



7) The perimeter of the rectangle is a third of the perimeter of the square.

What is the length of the longer side of the rectangle, x ?



DIVE DEEPER 3 ANSWERS

6) There are 40 tins of blue paint. There are also tins of red paint.

The total number of litres of red paint is half the total number of litres of blue paint.

How many tins of red paint are there?

There are 12 tins of red paint.



7) The perimeter of the rectangle is a third of the perimeter of the square.

What is the length of the longer side of the rectangle, x ? $x = 50\text{cm}$

