RECALL

Match the equivalent fractions to their percentages

$\frac{1}{2}$	25%
$\frac{1}{100}$	1%
$\frac{1}{10}$	50%
$\frac{1}{4}$	10%

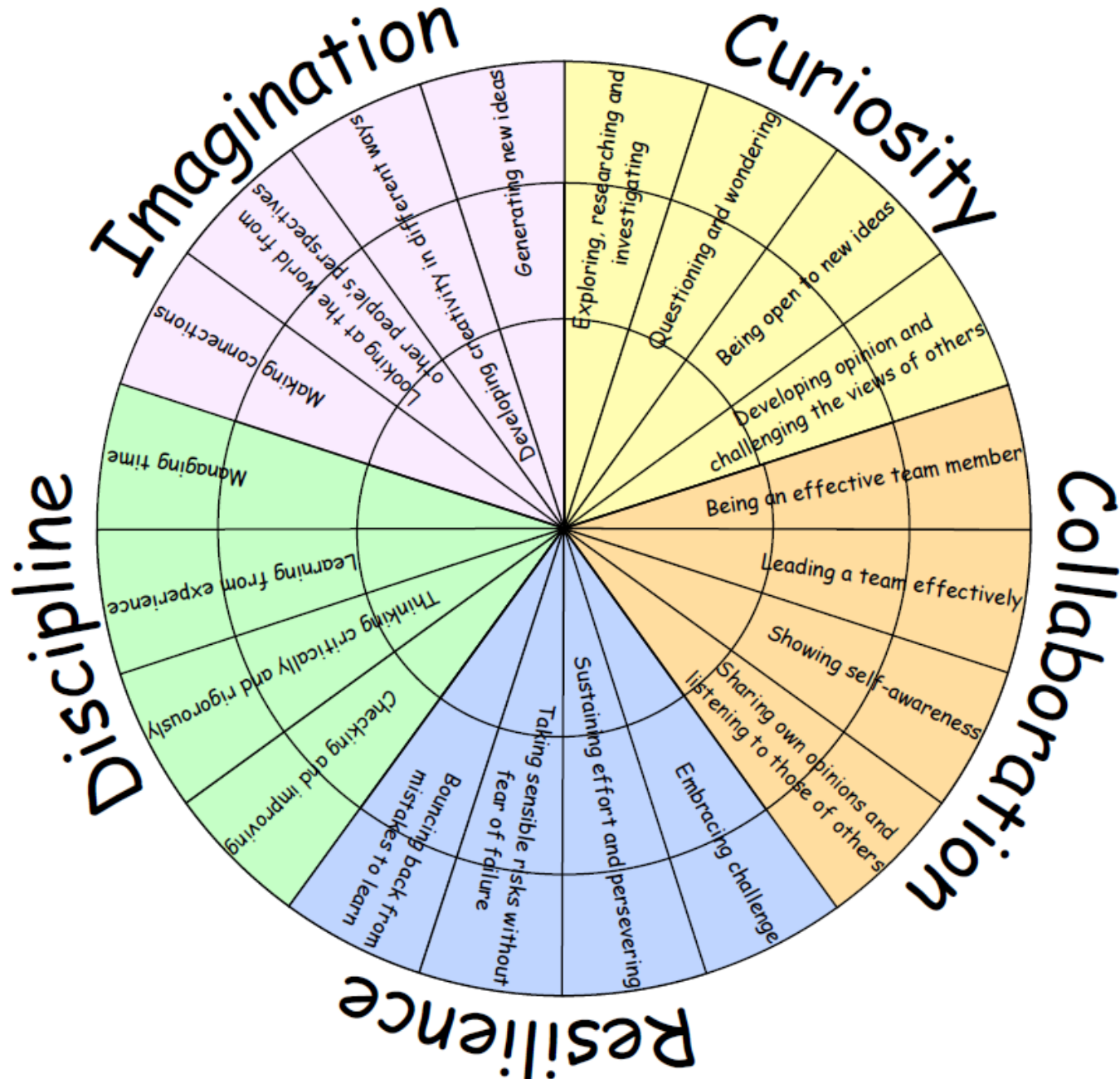If 35% of cats like to chase mice, how many don't?

If 27.25% of cats like to drink cream, how many don't?

Explain why

I CAN RECOGNISE AND UNDERSTAND % AS PART OF 100 AND WRITE A % AS A FRACTION AND A DECIMAL

Percentage (15i)

LEARNING HABITS?

Curiosity
- Exploring, researching and investigating
- Questioning and wondering
- Being open to new ideas
- Developing opinion and challenging the views of others

Collaboration
- Being an effective team member
- Leading a team effectively
- Showing self-awareness
- Sharing own opinions and listening to those of others

Resilience
- Embracing challenge
- Sustaining effort and persevering
- Taking sensible risks without fear of failure
- Bouncing back from mistakes to learn

Discipline
- Managing time
- Learning from experience
- Thinking critically and rigorously
- Checking and improving

Imagination
- Generating new ideas
- Developing creativity in different ways
- Looking at the world from other people's perspectives
- Making connections

GUIDED PRACTICE

1) How many circles should Sofia paint yellow?

2) How many circles should Sofia paint blue?
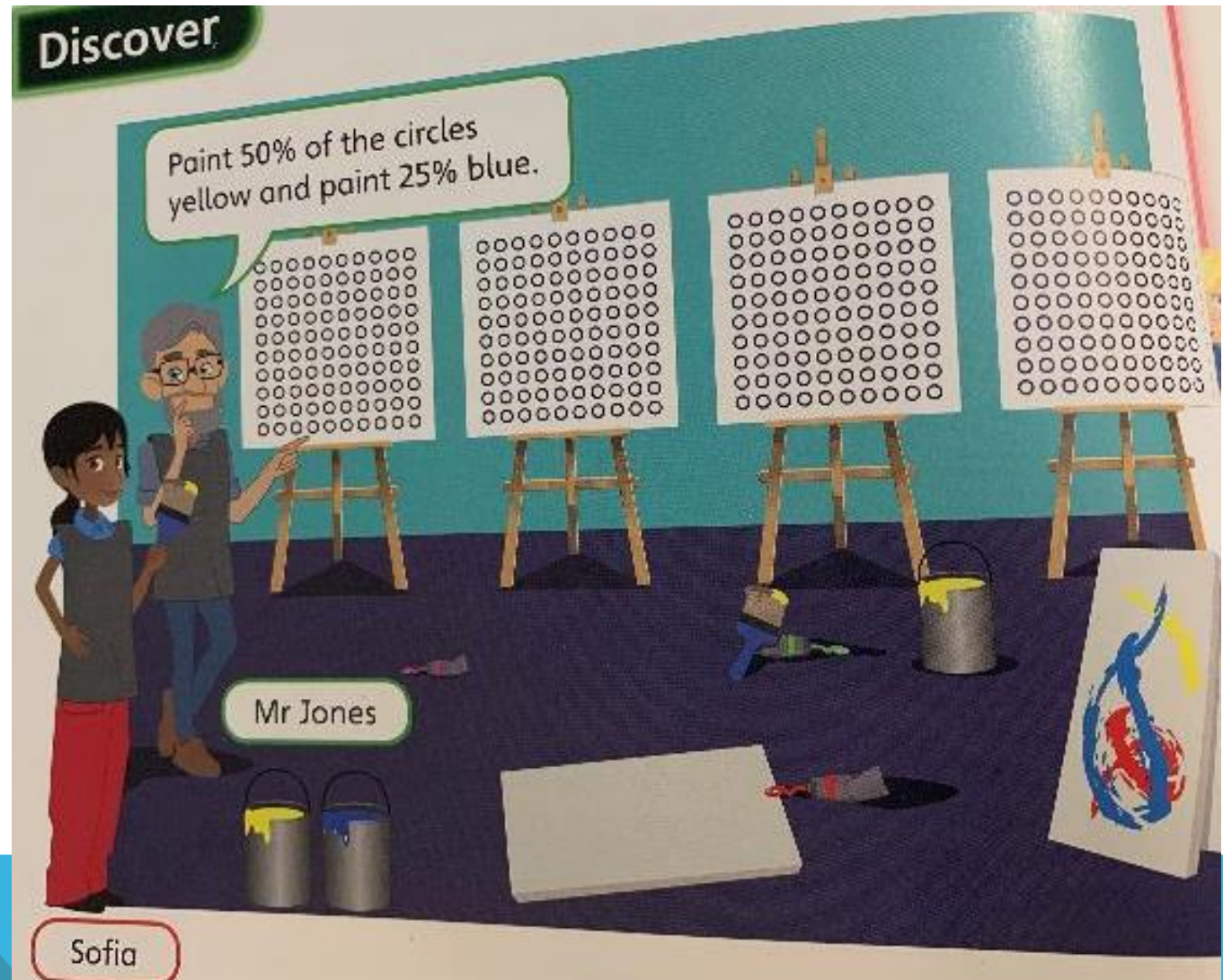
How many ways can you show the answer?

INTELLIGENT PRACTICE

50% of 3,000 =

50% of 1,500 =

50% of 500 =

To find ___%
divide by ___.

25% of 3,000 =

25% of 1,500 =

25% of 500 =

To find ___%
divide by ___.

10% of 3,000 =

10% of 1,500 =

10% of 500 =

To find ___%
divide by ___.

1% of 3,000 =   1% of 500 =

1% of 1,500 =   To find ___% divide by ___.

INTELLIGENT PRACTICE ANSWERS

50% of 3,000 = 1500

50% of 1,500 = 750

50% of 500 = 250

To find 50% divide by 2.

25% of 3,000 = 750

25% of 1,500 = 375

25% of 500 = 125

To find 25% divide by 4.

10% of 3,000 = 300
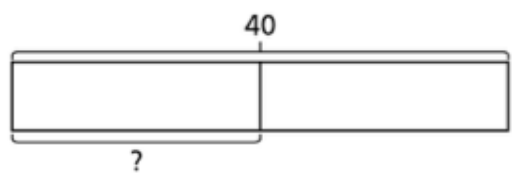
10% of 1,500 = 150

10% of 500 = 50

To find 10% divide by 10.

1% of 3,000 = 30

1% of 1,500 = 15

1% of 500 = 5

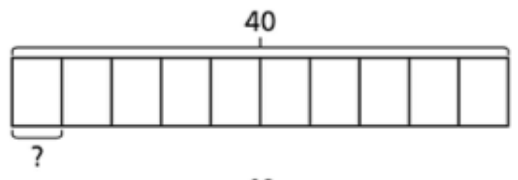To find 1% divide by 100.

DIVE DEEPER 1

1) Match each bar model to the statement it represents.

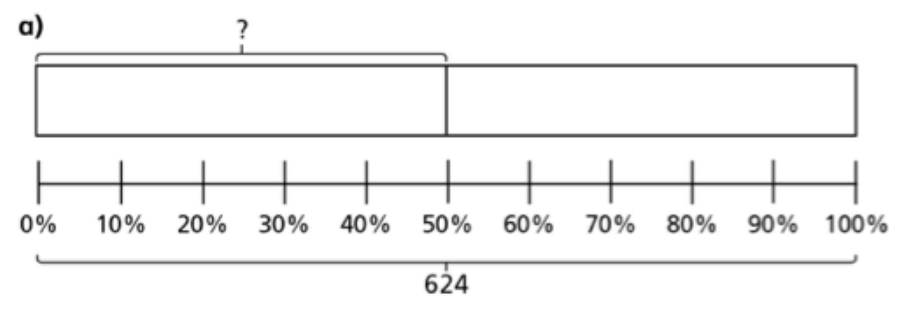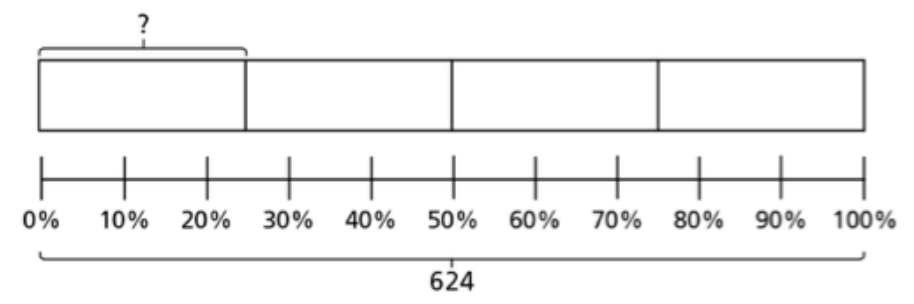|	
Bar model (40, split in two)	10% of 40
Bar model (40, split in ten)	25% of 40
Bar model (40, split in four)	50% of 40

2) Use bar models to help you complete the calculations

a)
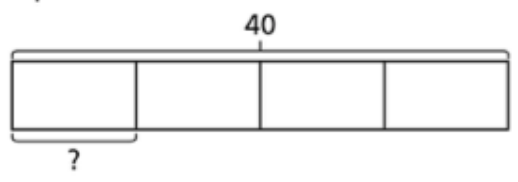
50% of 624 =   25% of 624 =

DIVE DEEPER 1 ANSWERS

1) Match each bar model to the statement it represents.

40

10% of 40

40

25% of 40

40

50% of 40

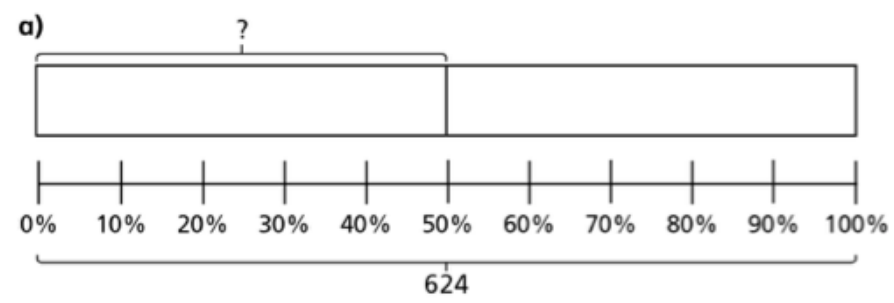2) Use bar models to help you complete the calculations

a)

?

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

624

?

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

624

50% of 624 = 312
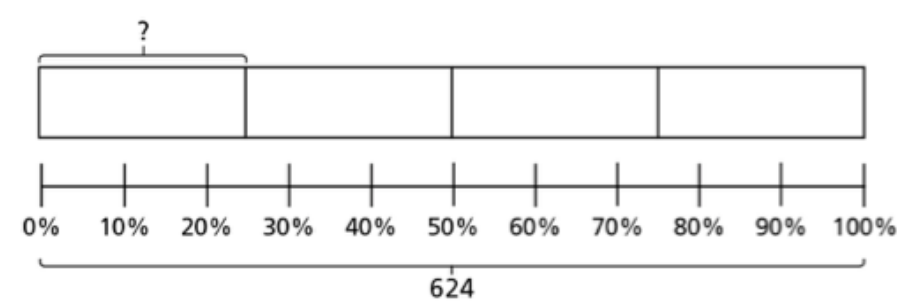
25% of 624 = 156

DIVE DEEPER 2

3) Draw bar models to help you complete the following calculations.

a) 50% of 3,420 =

b) 25% of 3,420 =

c) 10% of 3,420 =

4) Emma bought 2kg of fruit.
25% of the weight was pineapple.
10% of the weight was bananas.
The rest was apples.

How many more grams of apples than bananas did Emma buy?

5) Workers in a toy factory aim to pack 2,560 boxes each day.
At 10:00 am they have completed 25% of their target.
a) How many boxes have they packed?
By midday they have packed 50% of their target.
At 2:00 pm they have packed another 10% of their target.
b) How many more boxes do they need to pack to meet the daily target?

DIVE DEEPER 2 ANSWERS

3) Draw bar models to help you complete the following calculations.

a) 50% of 3,420 = 1710

b) 25% of 3,420 = 855

c) 10% of 3,420 = 342

4) Emma bought 2kg of fruit.
25% of the weight was pineapple.
10% of the weight was bananas.
The rest was apples.
How many more grams of apples than bananas did Emma buy? The apples weigh 1100g more than the bananas

5) Workers in a toy factory aim to pack 2,560 boxes each day.
At 10:00 am they have completed 25% of their target.
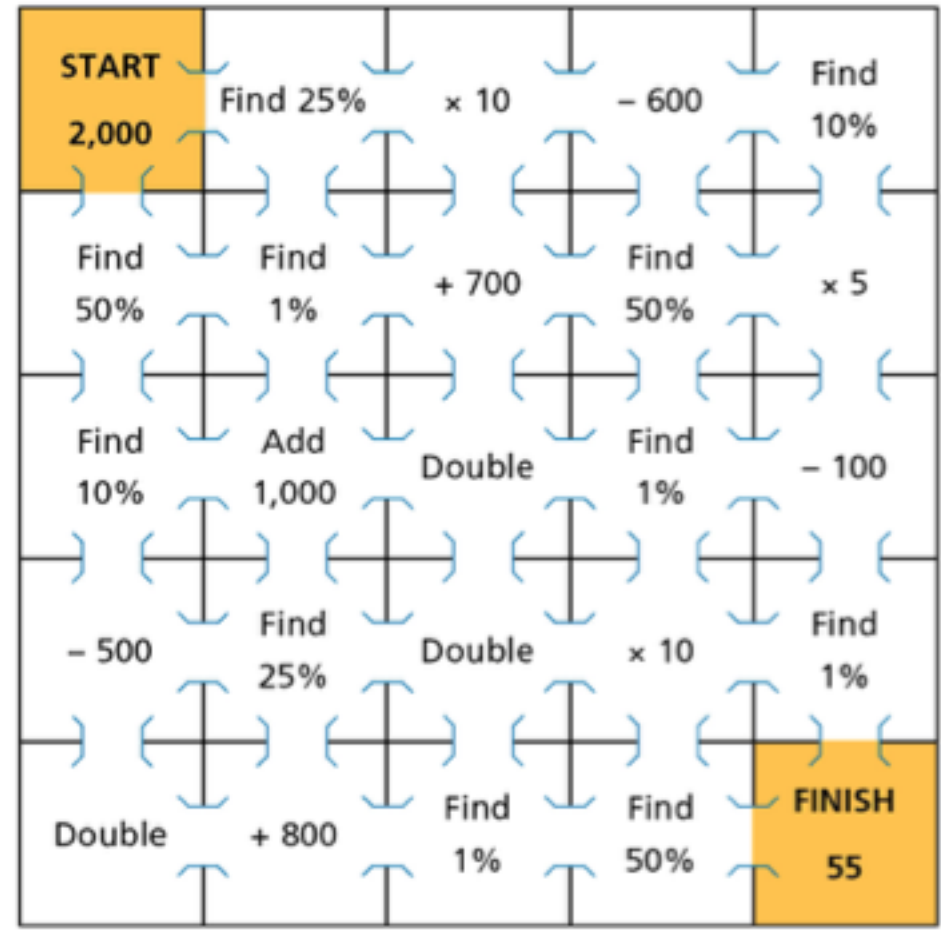a) How many boxes have they packed? 640 boxes
By midday they have packed 50% of their target.
At 2:00 pm they have packed another 10% of their target.
b) How many more boxes do they need to pack to meet the daily target? 1024 boxes

DIVE DEEPER 3

Follow the steps to find a way through the maze.

SELF-ASSESSMENT

- Some will even be able to create their own rules to help them to work out how to find 1% of any number

- Some will be able to explain why finding 10%, 25%, 50% works

- Most will be able to draw a bar model to show the problem

- All will understand that a percentage is out of 100