Lesson 4- Percentages

What do you need?

Pen and Paper

Blue Zone	Green Zone	Yellow Zone	Red Zone
Going slow	Good to go	Caution Starting to lose control	Stop! Out of control
E.g. sad, sick, tired, bored	E.g. happy, calm, focused, ok	E.g. worried, excited, annoyed	E.g. angry, terrified, elated

100%	

If this bar represents 100%, what would 10% look like?

10%	10%	10%	10%	10%	10%	10%	10%	10%	10%

If we want 30%, how many 10%s do we need to put together?

Finding 10%

Jen has £120. She gives 40% to Lola, how much is this?

£120
100%

10% £12	10% £12	10% £12	10% £12	10% £12	10% £12	10% £12	10% £12	10% £12	10% £12
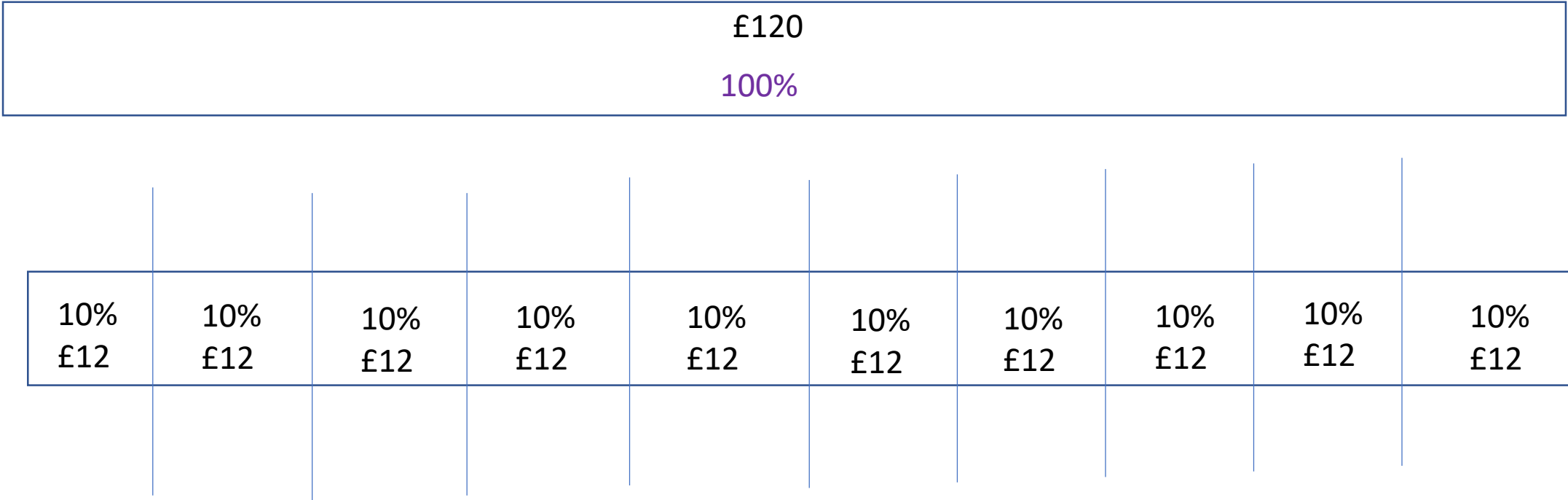
10% = £12.

We want 40% - 10% x 4

12 x 4 = £48

Finding 10%

Jason has £30. She gives 80% to Ben, how much is this?

£30
100%

10% £3	10% £3	10% £3	10% £3	10% £3	10% £3	10% £3	10% £3	10% £3	10% £3
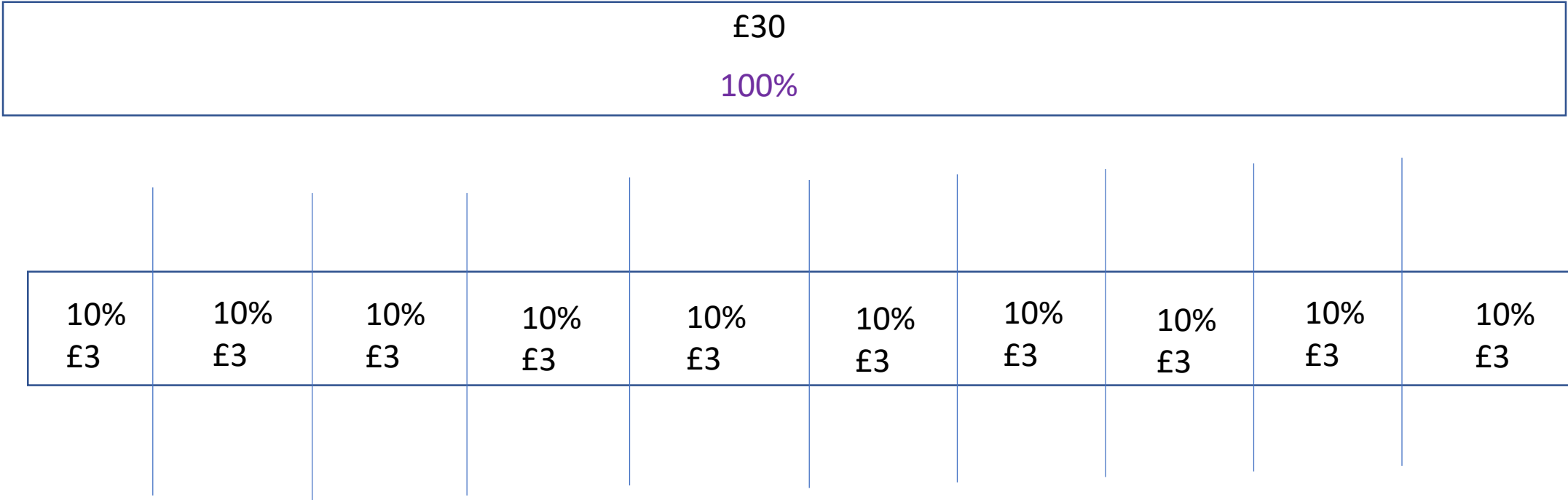
10% = £3.
We want 80% - 10% x 8
3 x 8= £24

What is 30% of £80?

10% = 8

30% = 24

What is 20% of £40?

10% = 4

20% = 8

What is 40% of £15?

10% = £1.50

40% = £6.00

What is 60% of £140?

10% = 14

30% = £84

What is 70% of £250?

10% = 25

70% = £175

What is 90% of £20?

10% = £2

90% = £18

Worded Questions

A top costs £30. In a sale it is reduced by 20%. How much does it cost now?

1) Find 10%

£3

2) Calculate 20%

£6

3) Reduced – so we need to add this on or subtract?

Subtract

So - £30 - £6 = £24.

Worded Questions

A car costs £9000. Its price is increased by 30%. How much does it cost now?

1) Find 10%

£900

2) Calculate 30%

£2,700

3) Increased– so we need to add this on or subtract?

Add

So - £9000 + £2,700 = £11,700

Worded Questions

1) A pair of shoes has 40% taken off. They were £80. How much now?

10% = £8

40%= £32

£80 - £32 = £48

2) Mcdonalds have increased their prices by 60%! If fries were £2, how much are they now?

10% = 20p

60% = £1.20

New price - £2 + £1.20 = £3.20

Calculate:

30% of 500 =

60% of 20 =

20% of 150 =

90% of 240 =

70% of 15=

40% of 24 =

80% of 12 =

40% of 35 =

60% of 65 =

20% of 5 =

Calculate:

30% of 500 =

60% of 20 =

20% of 150 =

90% of 240 =

70% of 15=

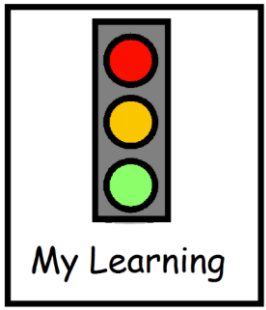40% of 24 =

80% of 12 =

40% of 35 =

60% of 65 =

20% of 5 =

Don't forget there is follow up work on the website.

When you complete – you get a merit.

You can do it anyway that suits you – can just be on a piece of paper if you cannot print the sheet! Just make sure you send a photo across to me!

My Learning

Traffic light your work today.

Thumbs down- I don't understand it

Thumbs across- I understand some of it

Thumbs up- I understand all of it