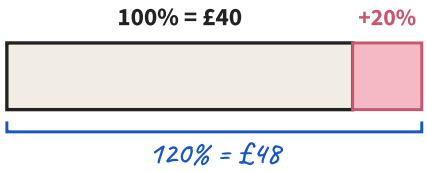
Percentage Increase with a Multiplier

ANSWERS

1

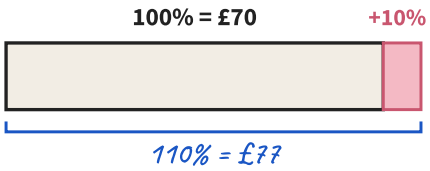
Increase £40 by 20%.



100%	+	20%	=	120%
120	÷	100	=	1.2
40	×	1.2	=	48

2

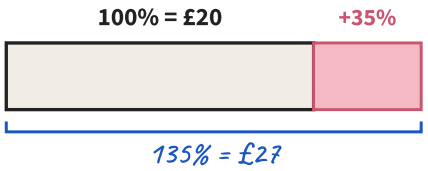
Increase £70 by 10%.



100%	+	10%	=	110%
110	÷	100	=	1.1
70	×	1.1	=	77

3

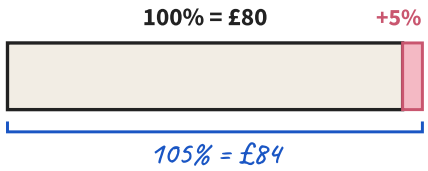
Increase £20 by 35%.



100%	+	35%	=	135%
135	÷	100	=	1.35
20	×	1.35	=	27

4

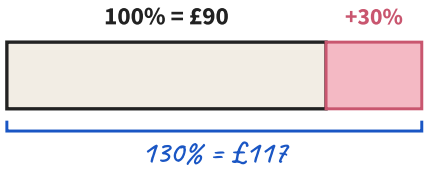
Increase £80 by 5%.



100%	+	5%	=	105%
105	÷	100	=	1.05
80	×	1.05	=	84

5

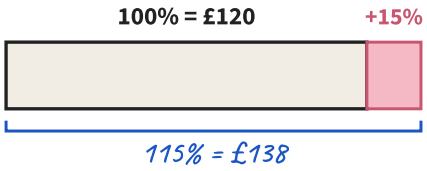
Increase £90 by 30%.



100%	+	30%	=	130%
130	÷	100	=	1.3
90	×	1.3	=	117

6

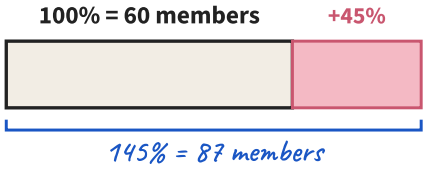
Increase £120 by 15%.



100%	+	15%	=	115%
115	÷	100	=	1.15
120	×	1.15	=	138

7

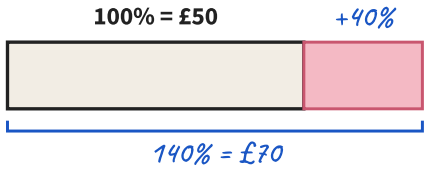
A club has 60 members.
The number of members goes up by 45%. How many members are there now?



100%	+	45%	=	145%
145	÷	100	=	1.45
60	×	1.45	=	87

8

£50 is multiplied by 1.4. What is the percentage increase? What is the new amount?



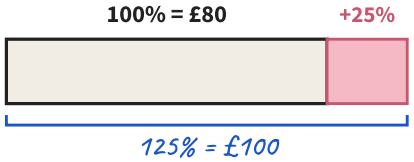
100%	+	40%	=	140%
140	÷	100	=	1.4
50	×	1.4	=	70

Percentage Increase with a Multiplier *further practice*

ANSWERS

9

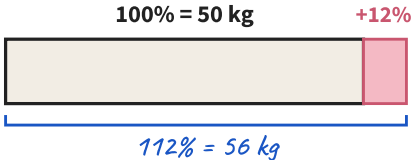
Increase £80 by 25%.



100%	+	25%	=	125%
125	÷	**100**	=	1.25
80	×	1.25	=	100

10

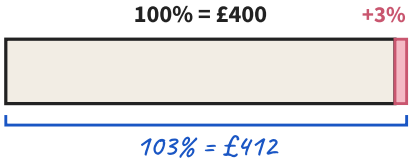
Increase 50 kg by 12%.



100%	+	12%	=	112%
112	÷	**100**	=	1.12
50	×	1.12	=	56

11

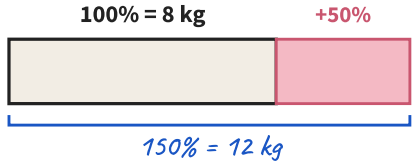
Increase £400 by 3%.



100%	+	3%	=	103%
103	÷	**100**	=	1.03
400	×	1.03	=	412

12

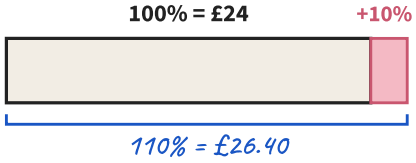
A puppy weighs 8 kg.
Its weight goes up by 50%.
How much does it weigh now?



100%	+	50%	=	150%
150	÷	**100**	=	1.5
8	×	1.5	=	12

13

A meal costs £24. A 10% tip is added. What is the total? The calculator shows 26.4.



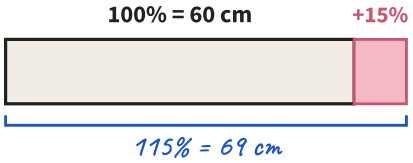
110 ÷ 100 = 1.1

24 × 1.1 = 26.4

Total £26.40

14

Two plants are 60 cm tall.
Plant A grows by 15%.
Plant B grows by 8 cm.
Which plant is taller now?



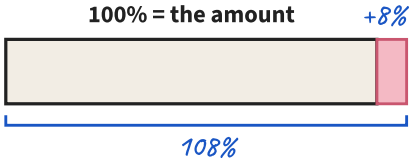
A: 60 × 1.15 = 69 cm

B: 60 + 8 = 68 cm

Answer Plant A

15

An amount is multiplied by 1.08.
What is the percentage increase?



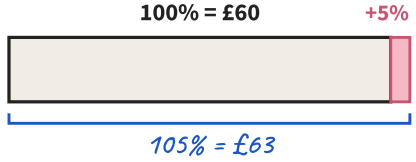
1.08 × 100 = 108%

108% − 100% = 8%

Answer 8%

16

Kai increases £60 by 5%.
He writes 60 × 1.5 = 90.
What has he done wrong?



Kai should use 1.05, not 1.5

Right answer 60 × 1.05 = £63