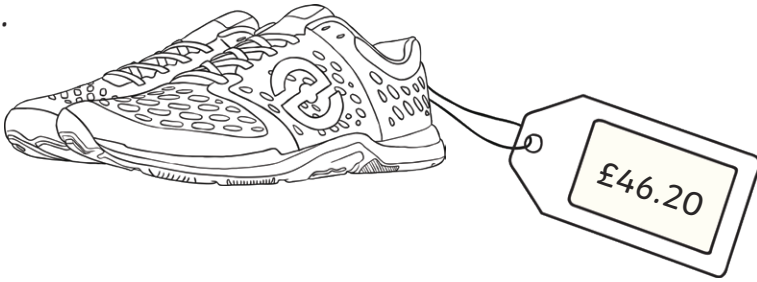# Finding Percentages of Amounts

Department Store Sale!

For one day only, we've cut the prices of all our stock for   Loyalty Card owners! Each item is now only a percentage of its full price. The loyalty card next to each item shows the percentage of the full price that the item costs in the sale.

Top tip: Use your knowledge of calculating 10%, 5% and 1% as well as 50% and 25% to help you calculate the sale percentages. Eg 48% of £15.00 could be worked out the following way.

```
10% = £1.50        40% = £6.00
 5% = £0.75         5% = £0.75
 1% = £0.15    +    3% = £0.45
                   48% = £7.20
                      1
```
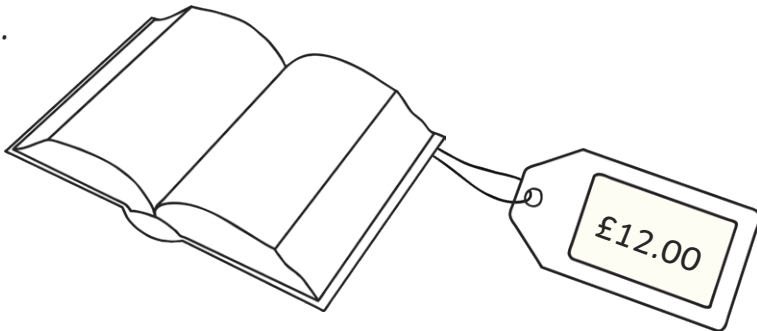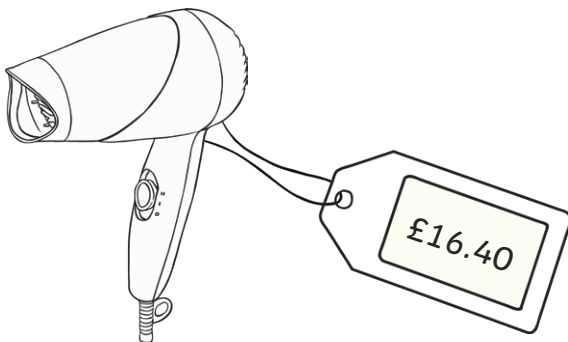
1.

£46.20

15% of price =

_____

2.

£12.00

27% of price =

_____

3.

£16.40

55% of price =

_____

4.

£62.00

11% of price =

_____

5.

£158.00

63% of price =

_____

6.

£32.00

43% of price =

_____

7.

£5.50

88% of price =

_____

8.

£16.00

23% of price =

_____

9.

£7.00

61% of price =

_____

10.
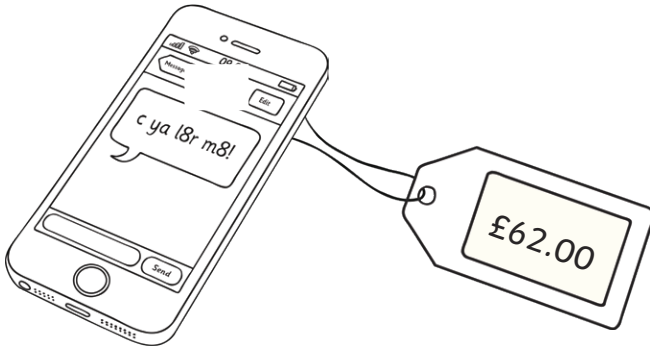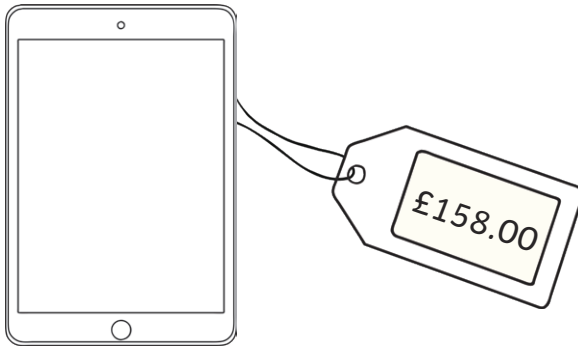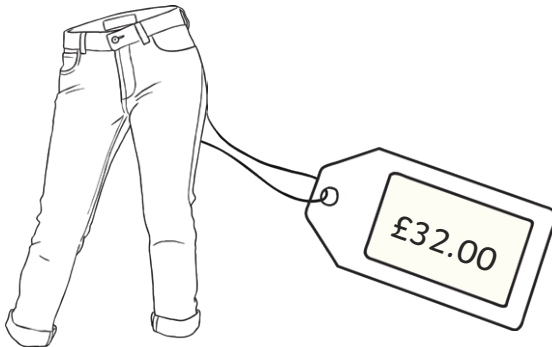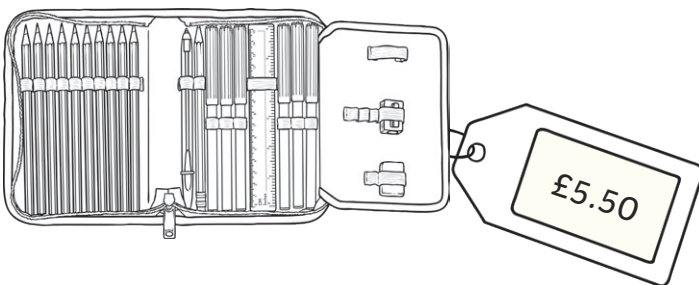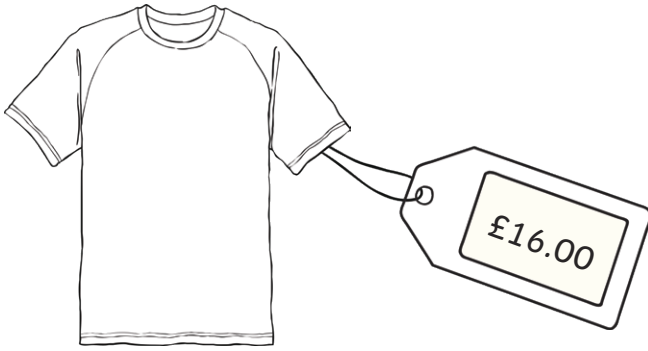
£36.00

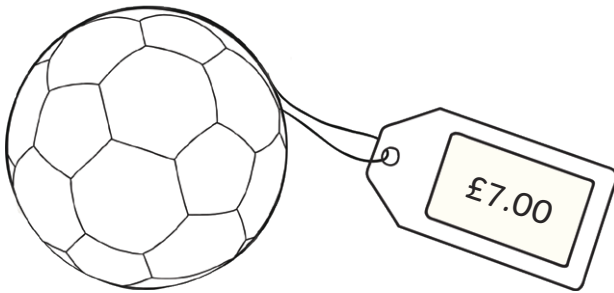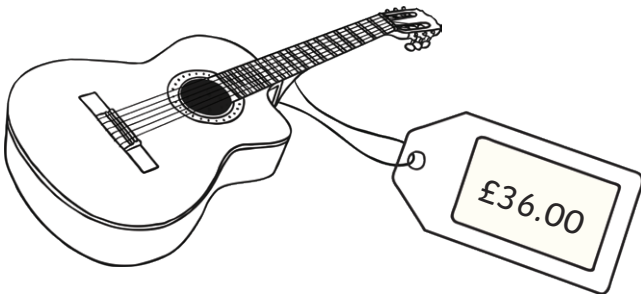17.5% of price =

_____

Challenge: Next week, all the standard prices will increase by the following percentages:

- The book, mobile phone, and jeans will increase by 10% on their full price.
- The trainers, pencil case and football will increase by 20% on their full price.
- The hairdryer, tablet, t-shirt and guitar will increase by 30% on their full price.

Can you work out what the new price for each item will be? (Hint: Find one tenth for 10%, double it for 20% and triple it for 30% and **add it to the full price.**)

Finding Percentages of Amounts **Answers**

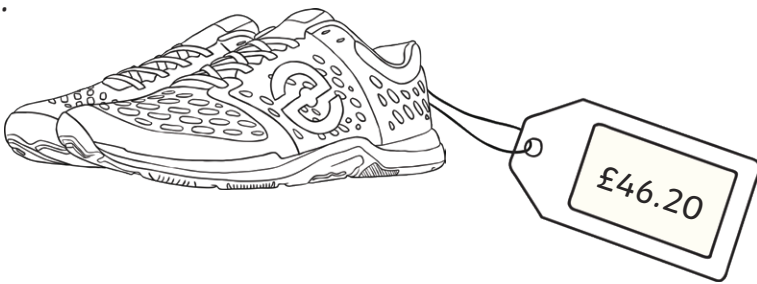|	Item	Full Price	Sale Price	Challenge (+5% Price)
1.	Trainers	£46.20	15% = **£6.93**	+20% = **£55.44**
2.	Book	£12.00	27% = **£3.24**	+10% = **£13.20**
3.	Hairdryer	£16.40	55% = **£9.02**	+30% = **£21.32**
4.	Mobile phone	£62.00	11% = **£6.82**	+10% = **£68.20**
5.	Tablet	£158.00	63% = **£99.54**	+30% = **£205.40**
6.	Jeans	£32.00	43% = **£13.76**	+10% = **£35.20**
7.	Pencil case	£5.50	88% = **£4.84**	+20% = **£6.60**
8.	T-Shirt	£16.00	23% = **£3.68**	+30% = **£20.80**
9.	Football	£7.00	61% = **£4.27**	+20% = **£8.40**
10.	Guitar	£36.00	17.5% = **£6.30**	+30% = **£46.80**

Finding Percentages of Amounts

Department Store Sale!

For one day only, we've cut the prices of all our stock for   Loyalty Card owners! Each item is now only a percentage of its full price. The loyalty card next to each item shows the percentage of the full price that the item costs in the sale.

Top tip: To find 75% of a number, you can find one half, then one quarter, then add the two numbers together.
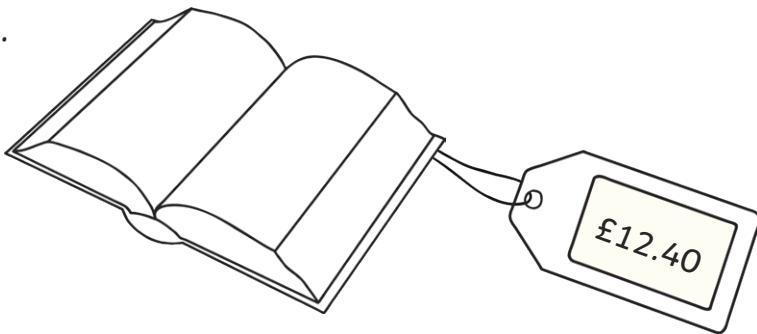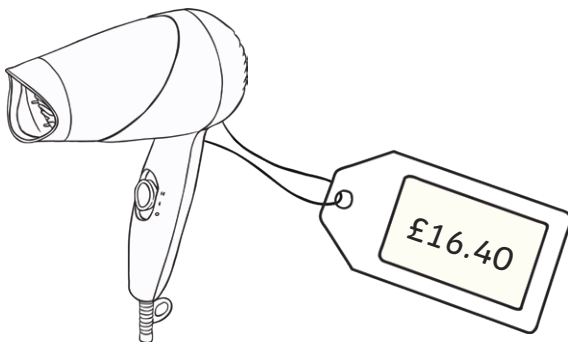
1.

£46.20

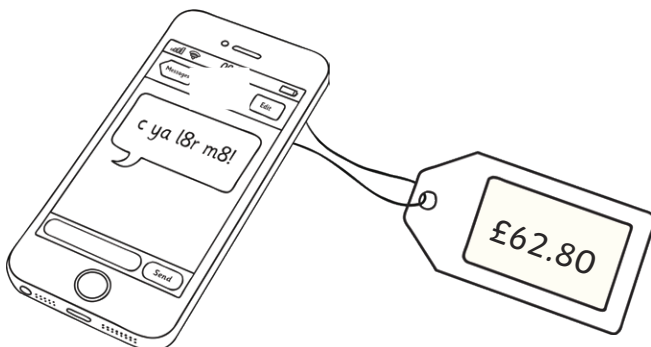50% of price =

_____

2.

£12.40

25% of price =

_____

3.

£16.40

75% of price =

_____

4.

£62.80

25% of price =

_____

5.

£141.00

75% of price =

_____

6.

£28.80

25% of price =

_____

7.

£4.70

50% of price =

_____

8.

£9.20

75% of price =

_____

9.

£6.90
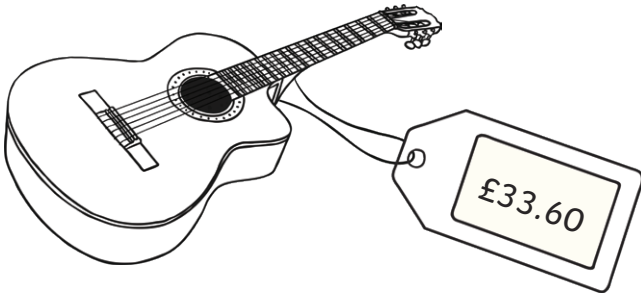
50% of price =

_____

10.
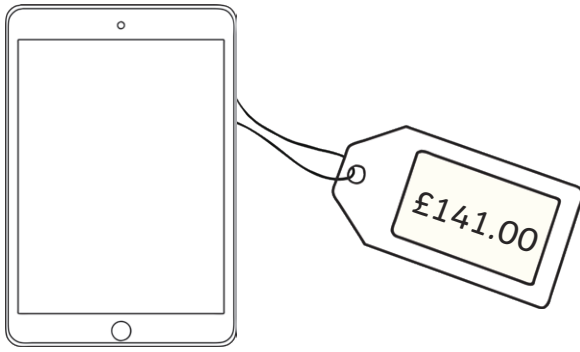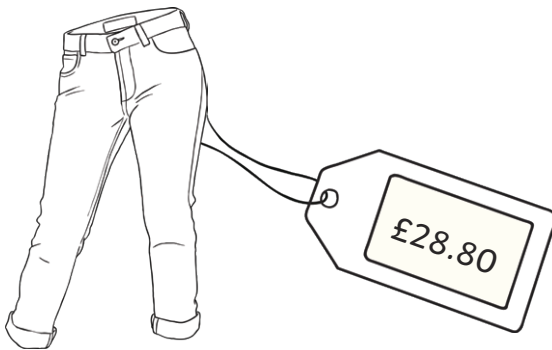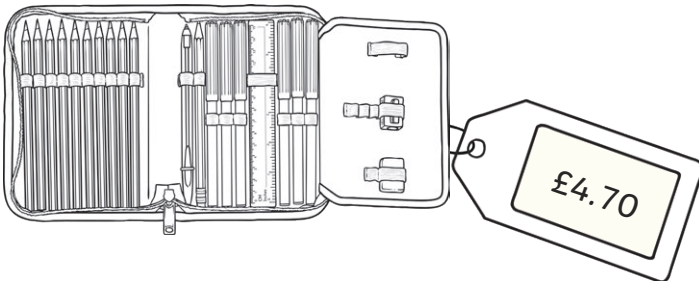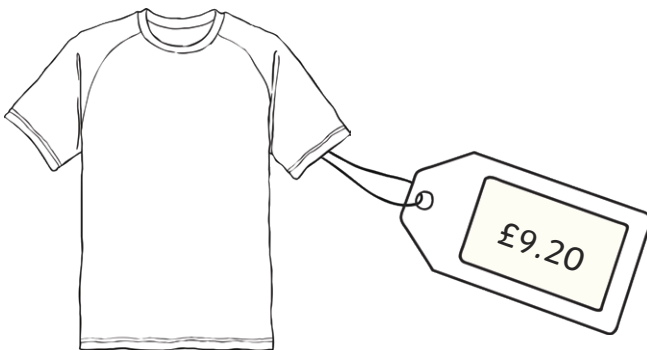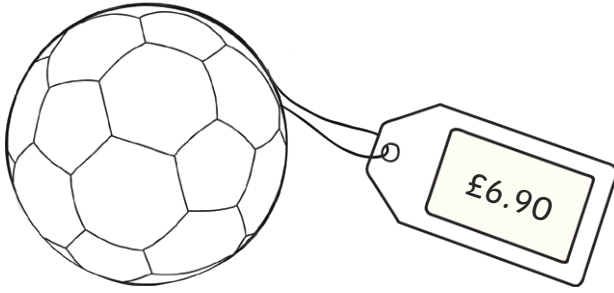
£33.60

75% of price =

_____

Challenge: Next week, all the standard prices will increase by 10%. Can you work out what the new price for each item will be? (Hint: Find one tenth and add it to the full price.)

Finding Percentages of Amounts **Answers**

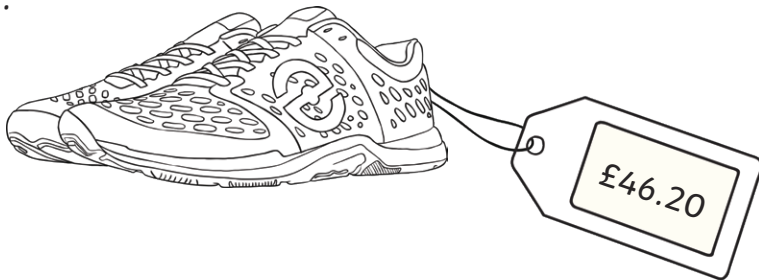|	Item	Full Price	Sale Price	Challenge (+10%)
1.	Trainers	£46.20	50% = **£23.10**	**£50.82**
2.	Book	£12.40	25% = **£3.10**	**£13.64**
3.	Hairdryer	£16.40	75% = **£12.30**	**£18.04**
4.	Mobile phone	£62.80	25% = **£15.70**	**£69.08**
5.	Tablet	£141.00	75% = **£105.75**	**£155.10**
6.	Jeans	£28.80	25% = **£7.20**	**£31.68**
7.	Pencil case	£4.70	50% = **£2.35**	**£5.17**
8.	T-Shirt	£9.20	75% = **£6.90**	**£10.12**
9.	Football	£6.90	50% = **£3.45**	**£7.59**
10.	Guitar	£33.60	75% = **£25.20**	**£36.96**

Finding Percentages of Amounts

Department Store Sale!

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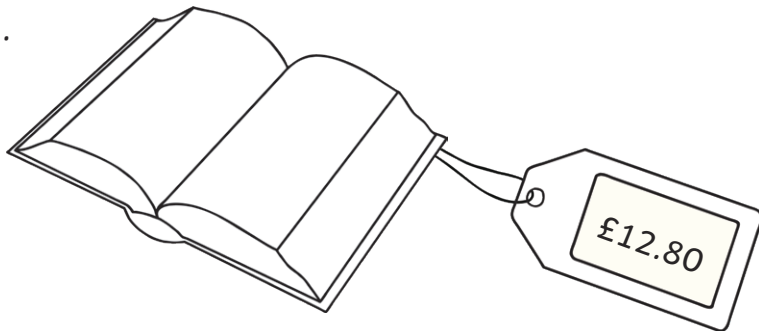Work out the sale price for each item in the shop.
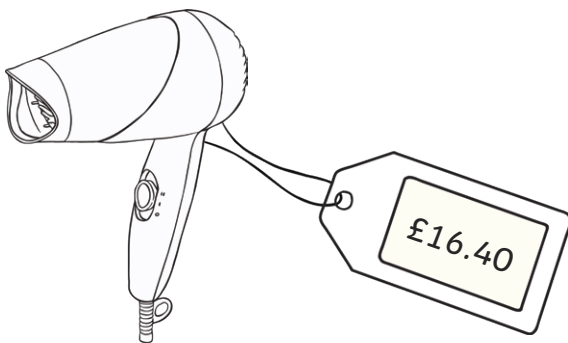
1.

£46.20

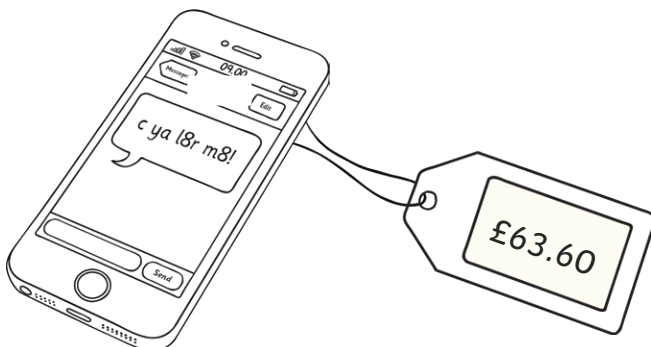75% of price =

_____

2.

£12.80

80% of price =

_____

3.

£16.40

65% of price =

_____

4.

c ya l8r m8!

£63.60

15% of price =

_____

5.

£141.00

95% of price =

_____

6.

£28.80

25% of price =

_____

7.

£4.40

30% of price =

_____

8.

£9.20

45% of price =

_____

9.

£6.80

75% of price =

_____

10.
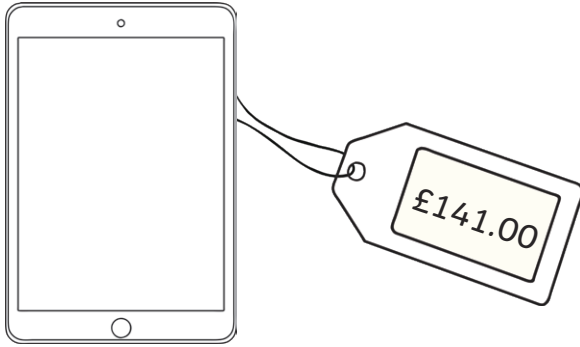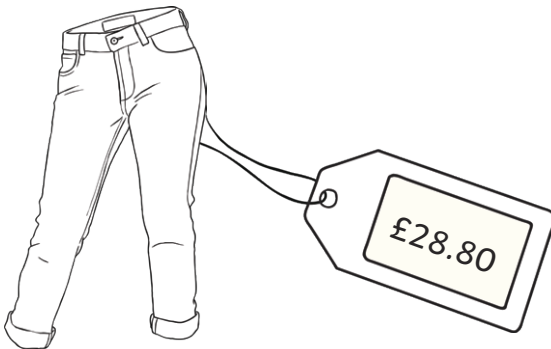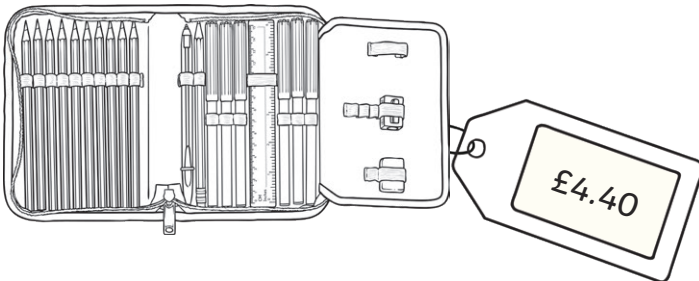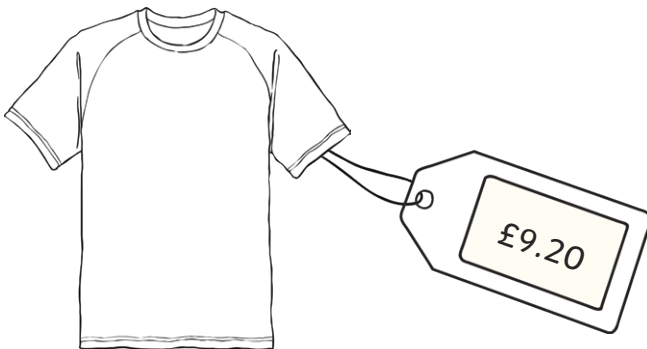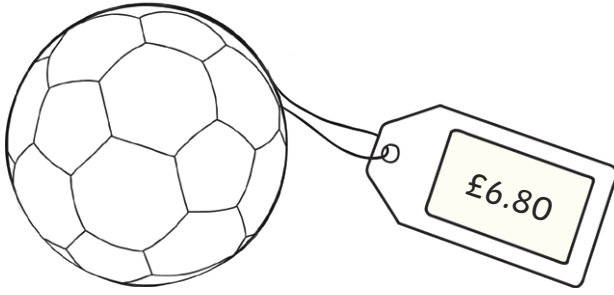
£32.60

35% of price =

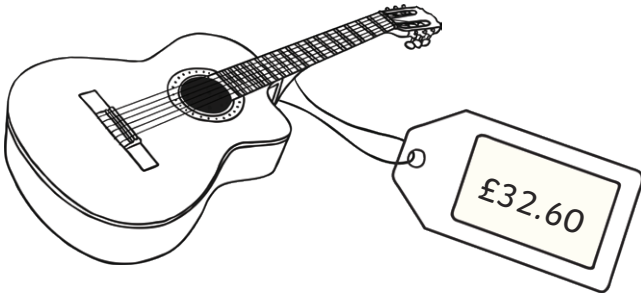_____

Challenge: Next week, all the full prices will increase by 5%. Work out the new price for each item. (Hint: Find one tenth, halve it and add this number to the full price.)

Finding Percentages of Amounts **Answers**

	Item	Full Price	Sale Price	Challenge (+5% Price)
1.	Trainers	£46.20	75% = **£34.65**	**£48.51**
2.	Book	£12.80	80% = **£10.24**	**£13.44**
3.	Hairdryer	£16.40	65% = **£10.66**	**£17.22**
4.	Mobile phone	£63.60	15% = **£9.54**	**£66.78**
5.	Tablet	£141.00	95% = **£133.95**	**£148.05**
6.	Jeans	£28.80	25% = **£7.20**	**£30.24**
7.	Pencil case	£4.40	30% = **£1.32**	**£4.62**
8.	T-Shirt	£9.20	45% = **£4.14**	**£9.66**
9.	Football	£6.80	75% = **£5.10**	**£7.14**
10.	Guitar	£32.60	35% = **£11.41**	**£34.23**