

# Topic Test 1 (20 minutes)

## Calculating with percentages - Foundation

1 Circle the multiplier that is equivalent to a percentage increase of 15%

[1 mark]

0.015

0.15

1.015

1.15

2 A train fare costs £23.55  
All train fares are increased by 2.8%

Work out the new fare.

[2 marks]

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Answer £ \_\_\_\_\_

3 A savings account pays 3.6% per annum simple interest.  
Heidi puts £400 into the account.

How much will she have in the account after 5 years?

[2 marks]

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Answer £ \_\_\_\_\_

4

**SHOP A**



**Normal Price £85**

$\frac{1}{3}$  off

**SHOP B**



**Normal Price £80**

**30% off**

In which shop are the trainers cheaper?

You **must** show your working.

**[3 marks]**

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Answer \_\_\_\_\_

5

In one week the mass of a puppy increases from 1.8 kg to 2.25 kg

Work out the percentage increase of the mass.

**[2 marks]**

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Answer \_\_\_\_\_ %

- 6 In a sale all items are reduced by 30%  
On the final day the **sale prices** are reduced by 20%

Work out the **final day** price of a sofa that was priced at £290 before the sale started.

[3 marks]

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Answer £ \_\_\_\_\_

- 7 This is the advert for a new car.

		<p>Why pay cash? Our credit charges are less than 2% of the cash price each year.</p>
Cash Price	Credit Price	
£10 345	Deposit £1350 + 24 monthly payments of £191.36 + Final payment of £4887.50	

Is the claim in the advert true?

[4 marks]

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**8** After a 10% decrease the cost of a new cooker is £198

Work out the original price of the cooker.

**[3 marks]**

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Answer £ \_\_\_\_\_