Name: _____ Date: _____

Multiplication and division

1 A chain of electrical stores has just received a delivery of 6345 new 3-D televisions. Altogether there are 15 stores in the chain: 9 superstores and 6 small stores.

a) How many televisions do the 9 superstores receive? 3807

b) How many televisions do the 6 small stores receive? 2538

1
2 marks

2 A restaurant chef uses the following roasting times for beef and chicken.

Beef: 35 min per kg + 20 min
Chicken: 20 min per 0·5 kg

a) How long does it take the chef to cook a 3 kilogram piece of beef? 125 min or 2 h 5 min

b) How long does it take the chef to cook a $2\frac{1}{2}$ kilogram chicken? 100 min or 1 h 40 min

2
2 marks

3 Samson is having his house repainted. He has been quoted a cost of £3280. $\frac{3}{4}$ of the cost is for the labour and the rest is for the paint.

a) What is the cost of the labour? £2460

b) What is the cost of the paint? £820

3
2 marks

4 A chocolate mousse recipe for 8 people uses 240 g of chocolate.

a) How much chocolate do you need for 10 people? 300 g

b) How much chocolate do you need for 12 people? 360 g

4
2 marks

5 There are 25 members in the school orchestra. For every 3 girls there are 2 boys.

a) How many members of the orchestra are girls? 15 girls

b) How many members of the orchestra are boys? 10 boys

5
2 marks

- solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates

Total: ____ out of 10 Mastery: NYA A A&E

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