

## Instructions

For each question, work out the correct answer.

Mark your answer on the answer sheet by choosing one of the options A–E.

### Example i

7 apples cost a total of 49 pence. What is the cost of 14 apples?

A	B	C	D	E
7 pence	11 pence	18 pence	98 pence	49 pence

The answer is D, 98 pence. The answer D has been marked for you on the answer sheet.



**You have 12 minutes for this section.**

**Do not turn the page until you are told to do so.**



## Instructions

For each question, work out the correct answer.

Mark your answer on the answer sheet by choosing one of the options A–E.

- 1** Which of these numbers is equal to  $34^2$ ?

A	B	C	D	E
1156	1258	1142	918	1134

- 2** Newtown is 132 miles directly north of point A. Oldham is 166 miles directly north of point A. Middleton is also directly north of point A and exactly halfway between Newtown and Oldham. How far away is Middleton from point A?

A	B	C	D	E
147 miles	148 miles	149 miles	150 miles	151 miles

- 3** DVDs cost £3.99 each. DVDs are on special offer: Buy 3 for £10. How much is saved by buying 3 DVDs using the offer compared to buying them individually?

A	B	C	D	E
£1.79	£1.97	£1.78	£1.99	£1.81

- 4** Ben cycles 36km in 4 hours and 30 minutes. Which of the following represents his average speed in kph (kilometers per hour)?

A	B	C	D	E
10 kph	96 kph	9 kph	112 kph	8 kph

**Go to the next page.**



- 5** Anna makes sure she writes 3 pages of her holiday journal every day. If Anna starts writing on the morning of 30<sup>th</sup> July and ends on the evening of 3<sup>rd</sup> September, how many pages does Anna write?

A	B	C	D	E
99	102	108	114	120

- 6** Alex sold his old books and toy soldiers at a jumble sale. He sold 14 toy soldiers for 15p each and 9 books for 35p each. How much money did Alex raise?

A	B	C	D	E
£4.25	£4.75	£5.25	£ 5.75	£6.25

- 7** I think of a number N. I subtract it from 20 and then add 1. The answer is 9. What is the number N that I first thought of?

A	B	C	D	E
10	28	14	12	24

- 8** Leah feeds her house flowers with a plant food in the summer. Each flower needs 10ml of plant food once per day. If Leah has 7 flowers, how much plant food does she use each week?

A	B	C	D	E
490ml	70ml	140ml	280ml	240ml

- 9** A field is in the shape of a rectangle. The perimeter of the field is 300m. The length of the field is twice its width. What is the area of the field?

A	B	C	D	E
6000m <sup>2</sup>	400m <sup>2</sup>	4000m <sup>2</sup>	500m <sup>2</sup>	5000m <sup>2</sup>

**Go to the next page.**



- 10** Mark is catching a plane and must arrive at the airport 2 hours before the flight departs. The journey to the airport by bus takes 45 minutes. Mark does not know the times that the buses leave his local bus stop, but he knows that there is one leaving for the airport every 10 minutes. What is the latest time that Mark must be at the bus stop to guarantee that he catches a plane that departs at 13:10?

A	B	C	D	E
10:15	11:15	10:35	11:05	10:25

- 11** Mia has a reel of ribbon that is 20m long. She wants to cut it into pieces that are each 85cm long. How many 85cm pieces can Mia cut from the reel?

A	B	C	D	E
20	21	22	23	24

- 12** A fruit punch is made up of 2 litres of orange juice, 3 litres of lemonade, 1 litre of cranberry juice and 4 litres of apple juice. What fraction of the fruit punch is orange juice?

A	B	C	D	E
$\frac{1}{5}$	$\frac{1}{4}$	$\frac{2}{3}$	$\frac{1}{3}$	$\frac{2}{5}$

- 13** Amy and Fay sold some cakes that were priced at 25p each. Amy sold 30 cakes. If Fay sold 12 more cakes than Amy, how much money did she receive in total?

A	B	C	D	E
£16.00	£10.50	£12.00	£13.50	£11.00

- 14** A bucket contains 40 identical golf balls. The bucket and balls weigh 9kg in total. 10 golf balls are taken out and the new weight of the bucket and balls is 7kg. What is the weight of the empty bucket?

A	B	C	D	E
2kg	2.5kg	1kg	1.5kg	3kg

**Go to the next page.**



- 15** 3 children were given money to share in the ratio of 3:2:1, with the eldest receiving the most and the youngest receiving the least. If the youngest child received £30, how much money in total was shared between the 3 children?

A	B	C	D	E
£180	£210	£160	£150	£140

- 16** Eli buys a pair of trainers in a sale for £60. The sale reduced the price of all items by 25%. What was the original price of the trainers before the sale?

A	B	C	D	E
£75	£80	£86	£90	£100

- 17** Zoe wants to catch the 9:50a.m. coach from London to Torquay. The journey time is normally 3 hours and 25 minutes. However, the coach is delayed and leaves 15 minutes late. At what time can Zoe expect to arrive in Torquay?

A	B	C	D	E
13:20	12:40	12:25	13:10	13:30

- 18** 38 sticks are used to form a triangle. The base of the triangle is formed from 10 sticks. The other two sides of the triangle are each formed from an equal number of sticks. How many sticks form each of the other two sides of the triangle?

A	B	C	D	E
10	12	14	16	18

**STOP WORKING.** You may check your work from this section only.

