

Assessment Test 1

The rest of the book contains three full-length assessment tests. These get progressively harder, with the later tests going beyond the level of the real test. Allow 60 minutes to do each test and work as quickly and as carefully as you can.

If you want to attempt each test more than once, you will need to print **multiple-choice answer sheets** for these questions from our website — go to cgpbooks.co.uk/11plus/answer-sheets or scan the QR code on the right. If you'd prefer to answer them in standard write-in format, either write your answers in the spaces provided or circle the **correct answer** from the options **A to E**.

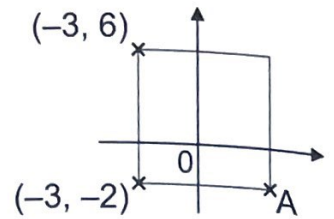


- Trevor walked 6.78 km, rounded to two decimal places. What is the shortest possible distance that he could have walked?
Answer: _____ km
- Pencils come in packs of 16. How many packs could be filled using 3827 pencils?
Answer: _____
- Iona draws a 2D shape. It has two pairs of equal sides, one pair of equal angles and one line of symmetry. Which of the shapes below could she have drawn?
A Trapezium **B** Rhombus **C** Square **D** Kite **E** Parallelogram
- The temperature in Helen's fridge is 4°C and the temperature in her freezer is -18°C . She leaves the freezer door open and the temperature in the freezer increases by 6°C . What is the difference between the temperature of the fridge and the freezer now?
Answer: _____ $^{\circ}\text{C}$
- Tamisha thinks of a positive whole number. She squares it, subtracts 8 and then triples the result. She ends with 84. What number was she thinking of originally?
Answer: _____
- Khadija runs a newsagent's. She made £195.80 on Friday, £372.35 on Saturday and £104.40 on Sunday. How much money did she make over the three days in total?
A £592.85 **B** £672.55 **C** £804.25 **D** £745.85 **E** £792.55
- A wooden block has a volume of 7200 mm^3 . It is 30 mm long and 12 mm high. How wide is it?
Answer: _____ mm
- A toy company sells 731 packs of marbles in October and 519 packs of marbles in November. Each pack contains 4 marbles. How many individual marbles did they sell in total in October and November?
Answer: _____ / 8

Carry on to the next question → →

9. Terry draws the square shown on the right.
What are the coordinates of A?

Answer: (_____, _____)



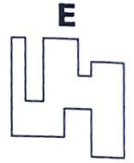
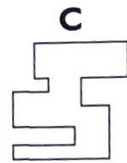
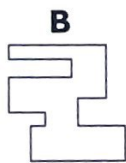
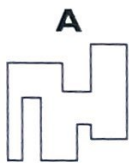
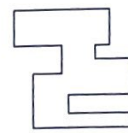
10. On a farm, 2 in every 7 animals are sheep. There are 46 sheep.
How many animals are there on the farm in total?

Answer: _____

11. Olivia, Marcus and Sandeep play a video game as a team.
Olivia gets 11 389 points in the game and Marcus gets 8516 points.
The team high score is 29 512 points. How many points
does Sandeep need for their team to equal the high score?

Answer: _____

12. Look at the shape on the right. Which of the following
options shows this shape after it is reflected in a
horizontal mirror line, then in a vertical mirror line?



13. The first four terms in Joanna's sequence are 49, 40, 31 and 22.
The first four terms in Piotr's sequence are -101, -82, -63 and -44.
What number is a term in both of these sequences?

Answer: _____

14. This pictogram shows the number of different
drinks that were sold at a café in one hour.
The key is missing. 42 teas and coffees were sold
in total. How many milkshakes were sold?

Answer: _____

Drink	Number of cups sold
Tea	
Milkshake	
Hot chocolate	
Coffee	

15. The n th term rule of a number sequence is $4n - 3$.
What is the sum of the 6th and 9th terms of this sequence?

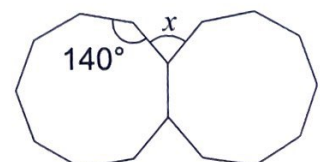
Answer: _____

16. Mo buys a mixed bag of 150 buttons. 36% of them are white and $\frac{6}{25}$ are blue.
The rest of the buttons are pink. How many buttons in the bag are pink?

- A** 60 **B** 48 **C** 72 **D** 42 **E** 84

17. The diagram on the right shows two regular nonagons.
What is the size of angle x ?

Answer: _____ °



18. Amy thinks of a number between 1 and 21. When she adds 1 to her number, the result is a multiple of 3. When she subtracts 1 from her number, the result is prime. How many different numbers could be the one she is thinking of?

- A** 1 **B** 2 **C** 3 **D** 4 **E** 5

19. The amount of time that Tim spends doing homework for different subjects is shown in the table on the right. One of the times is missing. The mean time spent on each subject was 24 minutes. How long did he spend on his history homework?

Subject	Time spent
Maths	31 minutes
Science	17 minutes
English	27 minutes
History	?

Answer: _____ minutes

20. Noor has 182 books to put on shelves. She wants to arrange them so that each shelf has the same number of books. How many books could she put on each shelf?

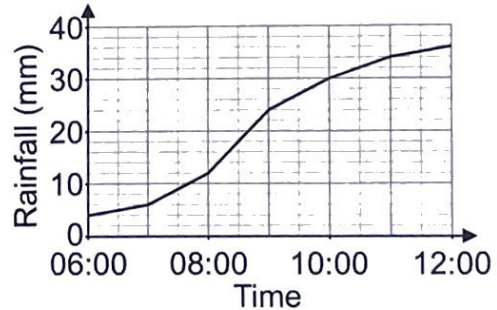
- A** 8 **B** 6 **C** 9 **D** 7 **E** 18

21. A takeaway pizza costs £6.50. Each pizza comes in a box that is 4.5 cm high. Emilio delivers a stack of takeaway pizzas that cost £52 in total. How tall is the stack of pizza boxes?

Answer: _____ cm

22. This line graph shows the amount of rainfall in a garden over one morning. At what time had exactly half of the total amount of rain already fallen?

- A** 08:30 **D** 10:00
B 08:45 **E** 10:30
C 09:00



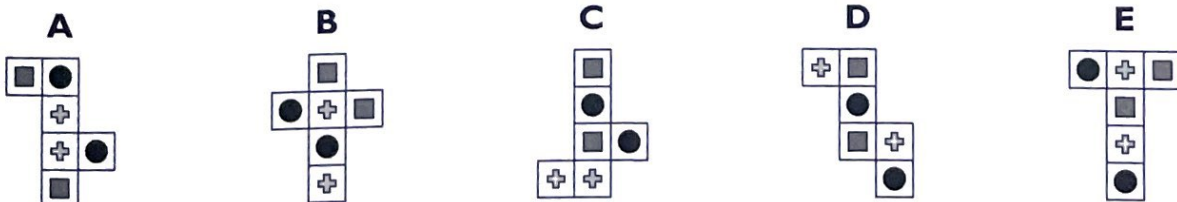
23. A photo album can fit 8 photos on each page. An album has 24 pages. How many photos would fit in 17 photo albums?

Answer: _____

24. The mean mass of four jacket potatoes is 245 g. Hannah eats one, and the mean mass of the three remaining potatoes is 255 g. What was the mass of the potato Hannah ate?

Answer: _____ g

25. Which of the nets below folds up to make a cube where each pair of opposite faces have the same shape on them?

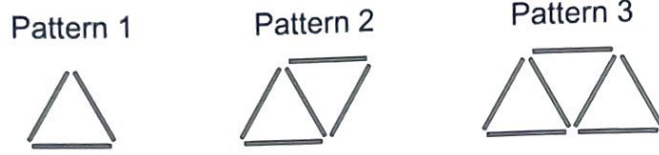


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Carry on to the next question → →

26. Harry has a 12 kg sack of soil. He fills 3 small pots with x grams of soil and 5 large pots with y grams of soil. Which of the following expressions shows how many grams of soil are left in the sack?
- A** $12 - 3x - 5y$ **C** $12\ 000 - 3x - 5y$ **E** $12 - 3 - x - 5 - y$
B $12\ 000 - 3y - 5x$ **D** $12\ 000 + 3x + 5y$

27. Roberta makes the shape sequence below out of toothpicks.



How many toothpicks will Roberta need in total to make the first five patterns?

Answer: _____

28. $5 + 8 \times 2^2 > 7p$. What is the largest possible whole number that p could represent?

Answer: _____

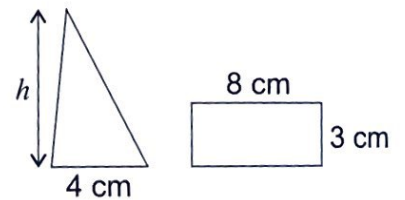
29. Thato buys a box of 57 sweets on a Wednesday. He eats three of the sweets that day, then eats three more every day after that. On which day of the week will he finish the box of sweets?
- A** Friday **B** Tuesday **C** Sunday **D** Monday **E** Thursday

30. James needs to make 40 glasses of squash for a party. Each glass holds 175 ml. He uses 150 ml of concentrate to make 1 litre of squash. How many litres of concentrate does he need?

Answer: _____ litres

31. The triangle and the rectangle shown on the right have the same area. What is the value of h ?

Answer: _____ cm



32. Which of the following calculations has the largest value?

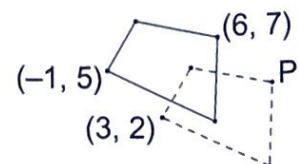
- A** $6 + 3 \times 8 \div 2$ **C** $6 - 3 + 8 \times 2$ **E** $6 \div 3 + 8 \times 2$
B $6 \times 3 + 8 \div 2$ **D** $6 + 3 + 8 \div 2$

33. 24 buckets of water that each have a capacity of 18 litres can hold 432 litres of water in total. Which of these calculations gives the number of litres of water that 96 buckets, each with a capacity of 27 litres, can hold in total?

- A** 432×1.5 **B** 432×3 **C** 432×4 **D** 432×5 **E** 432×6

34. The quadrilateral on the right is translated to a new position, shown by the dotted shape. What are the coordinates of point P?

Answer: (_____, _____)



35. A ballet starts at 18:50. There are three acts, each of which lasts 55 minutes. There is a 15-minute break between the first and second acts and a 35-minute break between the second and third acts. At what time does the ballet end?
- A** 22:45 **B** 22:35 **C** 21:35 **D** 22:25 **E** 21:50

36. A theme park sells individual adult tickets and individual child tickets. It also sells family passes, which include tickets for 2 adults and 2 children. This table shows how many of each type of ticket were sold over a weekend. How many adults in total had tickets to the theme park on Saturday?

	Saturday	Sunday	Total
Individual Adult		38	79
Individual Child	59		101
Family		53	
		Total	295

Answer: _____

37. Eliza makes some smoothie using 3.75 kg of pineapple, 750 g of strawberries and 1.3 kg of melon. She stores it in jars that each hold 400 g of smoothie. How many jars of smoothie can she fill?

Answer: _____

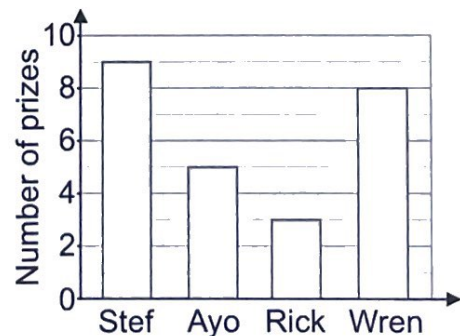
38. Alex has a 20-minute appointment that starts at 1:25 pm. It is located 5 minutes away from the hospital bus stop. Alex lives 12 minutes away from the Market Street bus stop. If he catches the first bus he can after his appointment, what is the earliest time he can get home?

Hospital	1310	1348	1424	1456
Church Road	1327	1405	1441	1513
Baker's Lane	1353	1431	1507	1539
Market Street	1412	1450	1526	1558

- A** 3:02 pm **B** 3:26 pm **C** 2:50 pm **D** 4:10 pm **E** 3:38 pm

39. The bar chart on the right shows the number of prizes that four people won at a funfair. What percentage of the prizes were won by either Ayo or Wren?

- A** 32% **D** 30%
B 13% **E** 64%
C 52%



40. The total area of the outside of a cube is 24 cm^2 . What is the volume of the cube?

Answer: _____ cm^3

41. A standard holiday package usually costs £320, but it is 15% off in a sale. A luxury holiday package usually costs £460, but it is 25% off in the sale. What is the difference between the costs of the holidays in the sale?

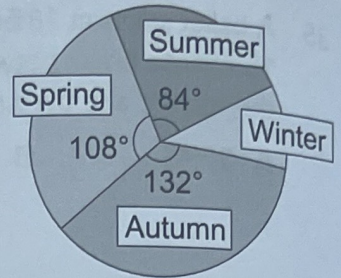
Answer: £ _____

42. What is $(5^2 + 7 \times 2) \div (20 \div 4 - 2)$? Answer: _____

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Carry on to the next question → →

43. Mrs Peters asks her class which season of the year their birthday is in. This pie chart shows the results. 7 pupils in her class have their birthdays in summer. How many pupils in her class have birthdays in winter?



Answer: _____

44. A bottle contains $1\frac{3}{4}$ litres of lemonade. Quinn drinks $\frac{1}{4}$ of the bottle. How many litres of lemonade are left?

- A $\frac{7}{8}$ litres B $\frac{7}{16}$ litres C $1\frac{5}{8}$ litres D $1\frac{1}{2}$ litres E $1\frac{5}{16}$ litres

45. Lola, Paul and Yuri win some prize money in a talent contest. They split it in the ratio 3 : 5 : 2. Paul gets £50 more than Lola. How much money did they win in total?

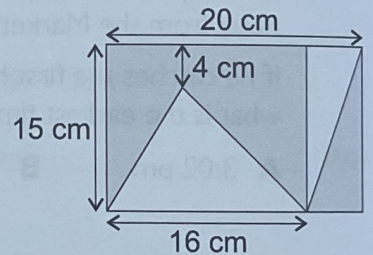
Answer: £ _____

46. A cuboid crate is 260 cm long, 140 cm wide and 80 cm high. Jeremy fills the crate up to $\frac{1}{4}$ of its height with cubes that have 20 cm edges. How many cubes does he put in the crate?

- A 77 B 91 C 83 D 67 E 99

47. What is the area of the shaded region on the shape on the right?

- A 150 cm^2 D 182 cm^2
 B 217 cm^2 E 330 cm^2
 C 118 cm^2

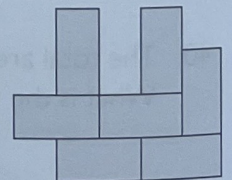


48. Laibah gets 50p in expenses for every mile she drives for her job. She drives 224 km for her job in February and 136 km in March. How much does she get in expenses in total for her driving in February and March? Use the conversion $8 \text{ km} = 5 \text{ miles}$.

Answer: £ _____

49. Xavier makes the pattern on the right out of identical rectangles. Each rectangle has an area of 18 cm^2 and is twice as long as it is wide. What is the perimeter of his pattern?

Answer: _____ cm



50. The diagram on the right shows an isosceles triangle and a quadrilateral. What is the size of angle a ?

Answer: _____ °

