

SAMPLE PAPER 1

7+ Assessment 2021 entry

SAMPLE QUESTIONS

Mathematics

1. Which picture is the odd one out?



Answer: _____

2. Which number is the odd one out?

11

30

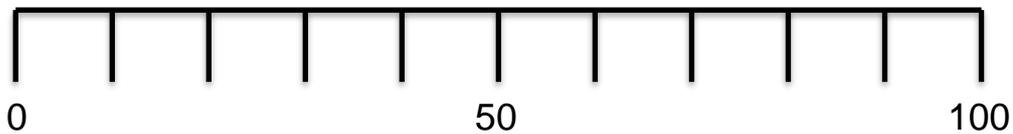
23

15

Answer: _____

3. Put these numbers on the line.

70, 25



4. Write two even numbers between 10 and 20

Answer: _____ and _____

5. a) Double 7 is: _____

b) Half of 18 is: _____

6. Which month is between August and October?

Answer: _____

7. Draw the lines of symmetry on these shapes.



8. Put these numbers in order, smallest first:

23 5 18 91 102 16

Answer: _____

9. Write these measurements in order of size, smallest first:

40mm 3cm 2m 40cm

Answer: _____

10. Stephen has these numbers on cards:

3

7

2

- a) What is the smallest number Stephen can make if he arranges just two cards?

Answer: _____

- b) What is the largest even number Stephen can make if he arranges all three cards?

Answer: _____

- c) What is the smallest number Stephen can make if he arranges all three cards?

Answer: _____

11. Choose the correct sign to go in the boxes:

>

<

=

- | | | | |
|----|--------|--------------------------|--------|
| a) | 3 x 4 | <input type="checkbox"/> | 4 + 4 |
| b) | 2 x 10 | <input type="checkbox"/> | 3 x 11 |
| c) | 20 x 5 | <input type="checkbox"/> | 25 x 3 |

Complete these questions in the same way you normally do. You can draw a number line if it helps you.

12. $135 + 142 =$ Answer: _____

13. $64 + 24 =$ Answer: _____

14. $64 - 42 =$ Answer: _____

15. Fill in the empty boxes to give the correct answer:

a) $3 \times \square = 21$

b) $3 \times \square = 210$

c) $13 = 6 \square 7$

d) $130 = 60 \square 70$

16. Muhammad has 11 tennis balls in a bag. He takes some out and is left with 8 balls in the bag. How many balls does he take out?



Answer: _____

17. Johnny has 6 football stickers. He then buys a pack of 10, but gives 3 of them to his little sister. How many stickers does he have left in total?

Answer: _____

18. Lucy gets 85p pocket money a week. This is given to her in four coins. Draw the coins she is given. Can you do this another way using 5 coins? Show both.

19.

32	7	14
4	26	19
15	8	72

Double the middle number is: _____

The numbers in the grey boxes add up to: _____

The numbers in the black boxes add up to: _____

20. Find a pair of numbers that add up to 108

$$\square + \square$$

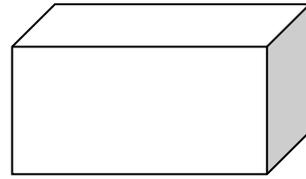
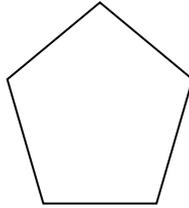
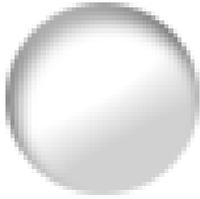
21.

5					
4					
3					
2					
1					
	A	B	C	D	E

This map shows part of the town where Josh lives. Josh's house is at E1.

- a) Where is the bus? Answer: _____
- b) What is at B2? Answer: _____
- c) Draw a triangle at A5.
- d) Josh leaves his house at 8:25am to walk to school. It takes him 55 minutes. At what time does he arrive at school?
Answer: _____
- e) The shops open at 8:45am and close at 4:50pm. How many hours and minutes is this?
Answer: _____

22. Write the correct names of these shapes.



Fill in these blanks:

On the third shape there are _____ vertices
_____ edges and _____ faces.

23.

a) Find the next two numbers in this pattern.

3 7 11 15 19 _____ _____

a) What is the rule for this pattern?

52 46 40 34 28

The rule is: _____

24. Draw a line from each clock to the correct time. One has been done for you.



3:45pm



8 O'clock



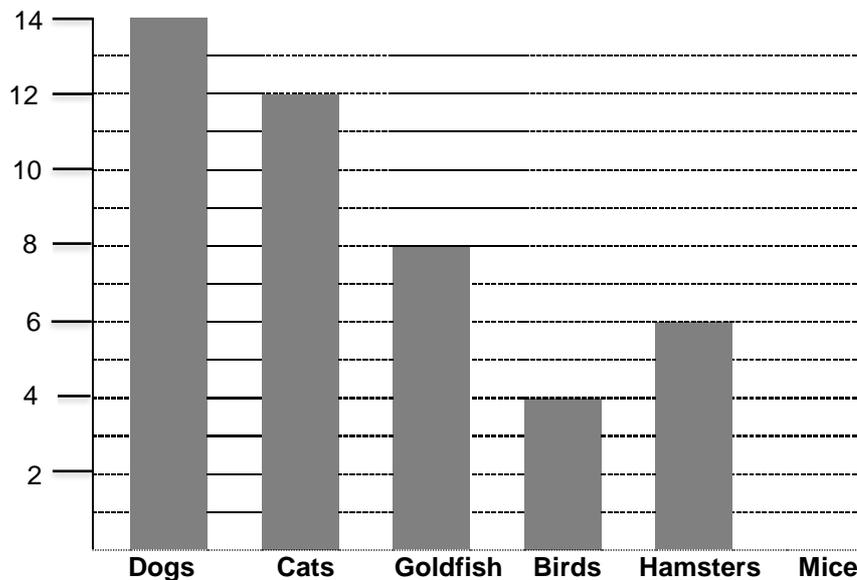
10:30am



Quarter past 5

25. Look at the bar chart below. Answer the questions underneath.

The pets owned by pupils at Latymer Prep School

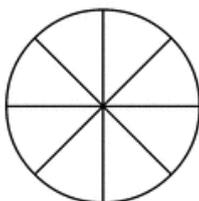


a) How many more dogs are owned than hamsters?

Answer: _____

b) Draw another bar on the chart to show five pupils had pet mice.

26. Shade in 3 quarters of this shape.



Write this fraction in another way.

27. **Becky has 24 sweets. Susan has half as many. Tom has 8 more than Susan. How many sweets does:**

a) **Susan have?** Answer: _____

b) **Tom have?** Answer: _____

c) **How many sweets do they have in total?**

Answer: _____

The sweets came out of a jar containing 100 sweets.

d) **How many sweets are left in the jar?**

Answer: _____

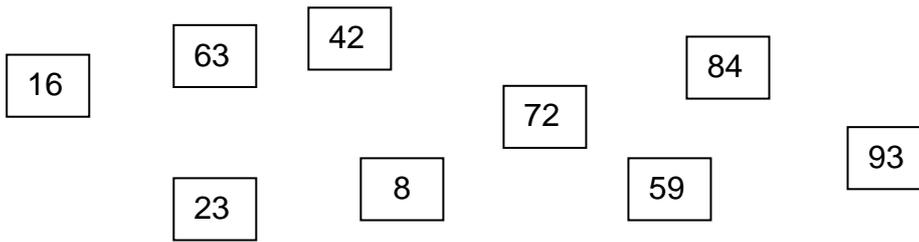
28. **Can you put these shape names into the right lists:**

Square	Rectangle	Pentagon	Circle	Semi Circle
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3 or more corners

Fewer than 4 straight sides

29. Look at these numbers



- a) Circle two numbers that are greater than 70.
- b) Cross two numbers that are less than 20.
- c) Tick a number with 7 tens.
- d) Shade the numbers with 3 in the units.
- e) List the numbers that are multiples of 4.

30.



Strawberries

70p



Bananas

36p



Mangos

60p



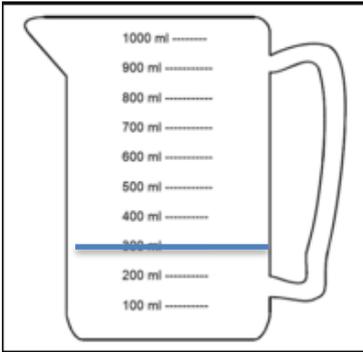
Kiwi

27p

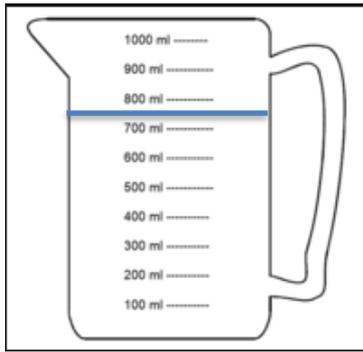
Eric buys 3 bananas. His friend Jenny buys 6 kiwis. How much more does Jenny spend?

Answer: _____

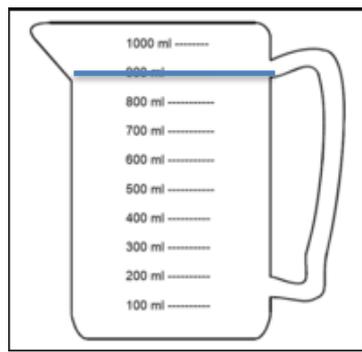
31. Look at the jugs.



Jug 1 300ml



Jug 2 750ml



Jug 3 900ml

a) How much would you need to add to jug 1 to get 1 litre?

Answer: _____

b) How much more is in Jug 3 than Jug 2?

Answer: _____

32. A recipe needs 3 eggs and 100g of flour to make 6 cupcakes.

a) How much flour would I need to make 18 cupcakes?

Answer: _____

b) How many eggs would I need to make 24 cupcakes?

Answer: _____