



North London Collegiate Junior School

7+ Examination

Sample Maths Paper

Time: 60 minutes

Name

Date



Section 1: Mental Maths

**Questions will be read aloud to candidates
and will not be printed in the booklet**



1. What is $\frac{1}{2}$ of 12?

2. Sam buys some candy floss for 35p and some sweets for 10p. How much change would he get from 50p?



3. What is the sum of 4, 5 and 11? _____

4. How many corners does a hexagon have? _____



5. Write 2 even numbers between 20 and 30. _____

6. What unit of measure would you use to see how tall your house is?



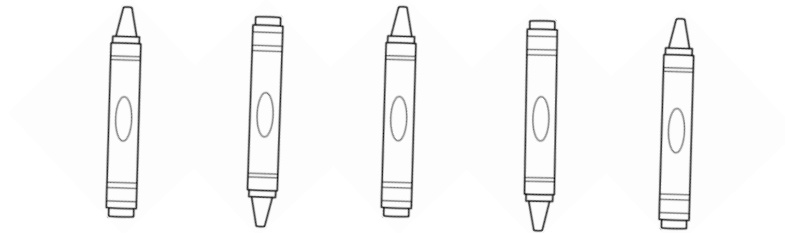
Section 2

1. $4 + \quad = 9$

2. $9 + 4 = 7 + \quad$



3.



Draw the next two pictures in the pattern.

4. Can you help Bertie Bird complete the following calculations using $<$, $>$ and $=$

a) $21 + 6$

$18 + 7$

b) 3×2

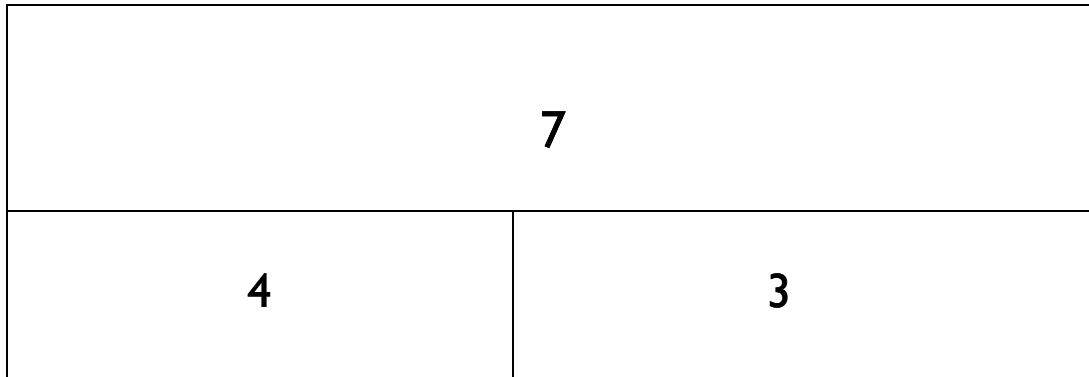
4×5

c) $20 - 3$

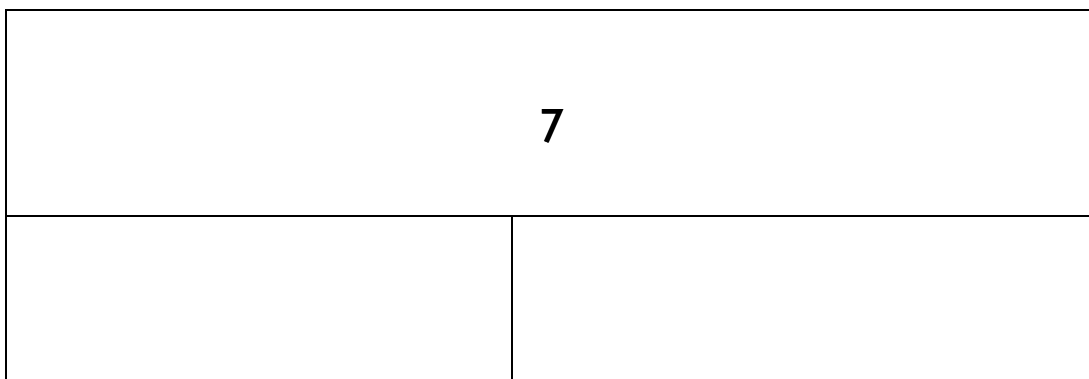
$19 - 2$



5. Look at this diagram. It shows one way that 7 can be partitioned.



Can you find another way?

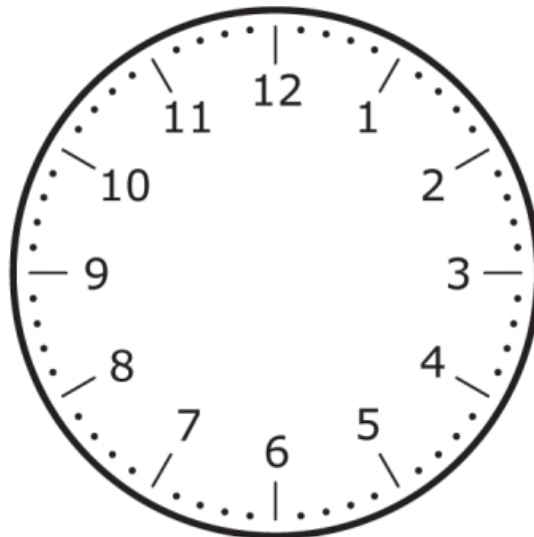


6. Debra spends 12p on these three cakes. How much would four cakes cost?

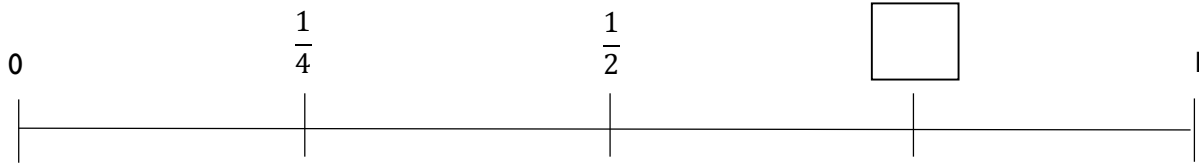


Four cakes would cost _____.

7. Draw the hands on the clock to show the time half an hour after 9 o'clock.

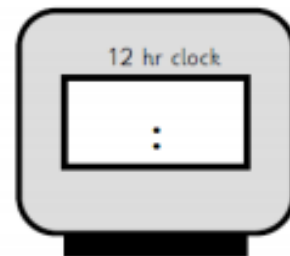


8. Look at the number line below. Fill in the missing fraction.



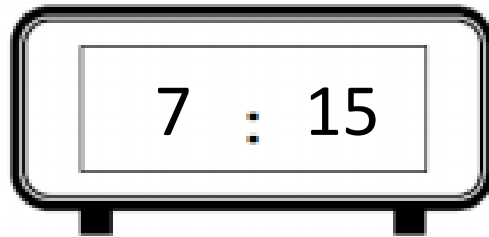
9. Sarah opens her eyes in the middle of the night to see this time.

What would it say on her digital clock?

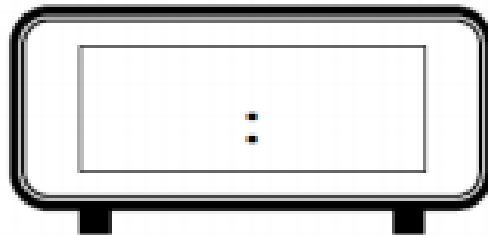




10. Eve plays chess with her Dad before she goes to bed. They play chess for **half an hour** and stop at the time shown on the clock.



Write the time that they **start** playing chess on this digital clock

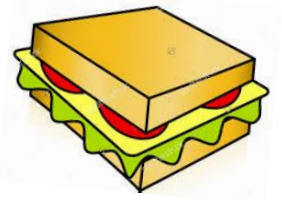


11. Miss Baker has 70 apples to sell. She sells 37 to Mr Stone. She gives this box to Mrs Clay. How many does she have left?



Miss Baker has _____ left.

12. Mr Chan sells 78 sandwiches in the morning. He sells 23 sandwiches in the afternoon. How many does he sell altogether?



Mr Chan sold _____ sandwiches altogether.

13. Berty bird needs your help again, can you help her complete these calculations?



$$\begin{array}{r} 34 \\ + \underline{54} \end{array}$$

$$\begin{array}{r} 99 \\ - \underline{43} \end{array}$$

$$\begin{array}{r} 167 \\ + 24 \end{array}$$

$$\begin{array}{r} 276 \\ - 58 \end{array}$$

14. There were 73 butterflies in the garden on Monday. On Tuesday there were 26 more. How many butterflies were in the garden on Tuesday?



There were _____ butterflies in the garden on Tuesday.

15. Look at this picture of some flowers.



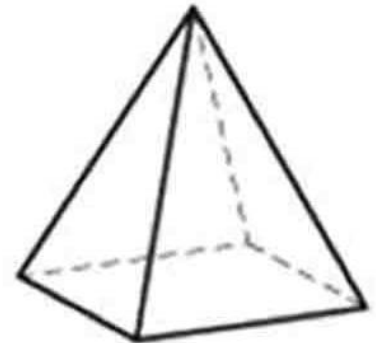
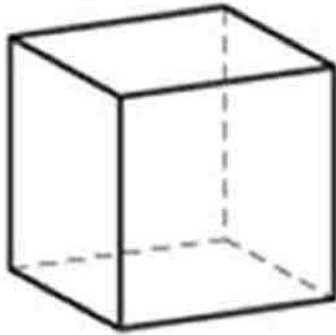
Use the picture to help you fill in the missing numbers.

$$\times 5 = 15$$

$$5 = \quad \div 3$$

$$5 + \quad + 5 = 15$$

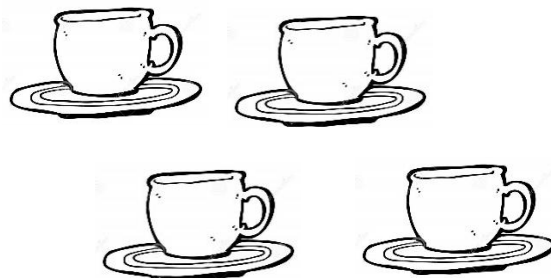
16. Here are some 3D shapes.



Tick the shape that has 5 faces.

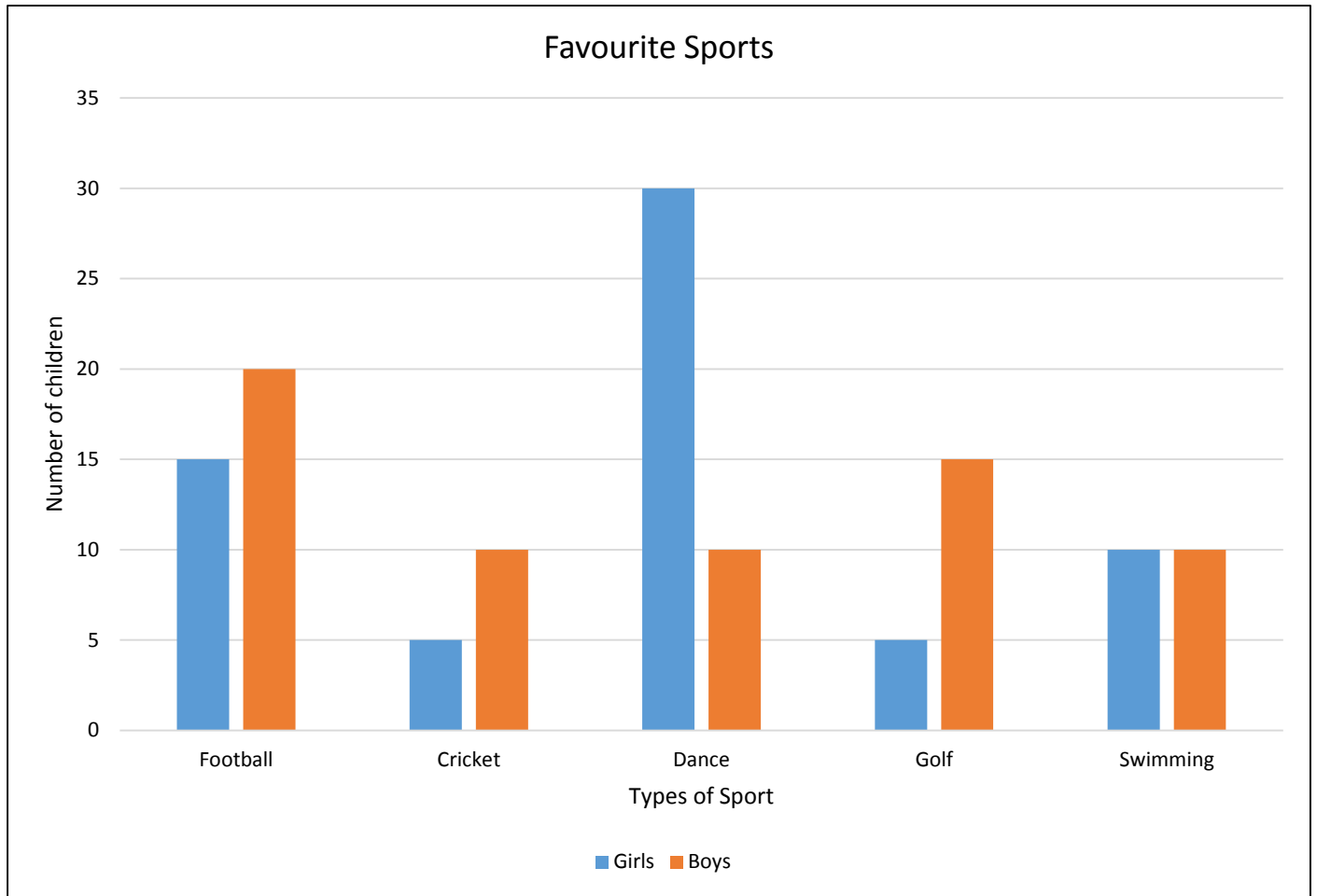
Circle the shape that has 1 vertex.

17.



How many cups of flour would there be if the bag of flour was **twice** the size?

18. This graph shows the results from a survey taken in a school.



a) Which sport is the most popular? _____

b) How many more girls like Dance than boys? _____

c) How many children took part in the survey? _____