SOLIHULL JUNIOR SCHOOL

7+ ENTRANCE EXAMINATION

MATHEMATICS

SAMPLE PAPER 2

SOLIHULL

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MATHEMATICS

SAMPLE PAPER

Time 45 minutes

Answer all the questions in the spaces provided. Make sure that your answers are clear. You may use the spaces around each question to do your working out. If you cannot do a question, leave it and go on to the next.

1. Write these numbers in figures:

   a. Thirty-three _____

   b. Thirteen _____

   c. Two hundred and forty nine _____

   d. Six hundred and one _____

2. Write these numbers in order, starting with the smallest first:

   a. 78 9 41 81 28

   _____

   b. 61 16 60 6 66

   _____

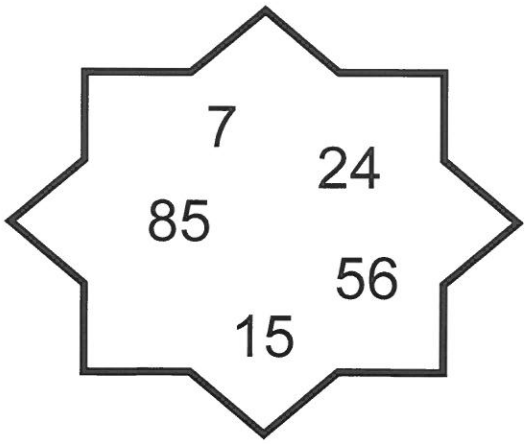
3. Write the next 2 numbers:

   a. 15, 20, 25, 30, _____, _____

   b. 23, 22, 21, 20, _____, _____

   c. 497, 498, 499, _____, _____

4.



a) Which of these numbers are even? _____

b) Which of these numbers are odd? _____

5. Work out these additions:

a. 10 + 3 = _____

b. 15 + 4 = _____

c. 4 + 5 + 3 = _____

d. 6 + 2 + 4 + 5 = _____

e. 53 + 6 = _____

f. 49 + 5 = _____

g. 37 + 12 = _____

h. 63 + 34 = _____

i. 28 + 17 = _____

j. $\begin{array}{r} 43 \\ +\ 5 \\ \hline \end{array}$ _____

k. $\begin{array}{r} 74 \\ +\ 14 \\ \hline \end{array}$ _____

l. $\begin{array}{r} 59 \\ +38 \\ \hline \end{array}$ _____

m. $\begin{array}{r} 246 \\ +\ 36 \\ \hline \end{array}$ _____

6. Write down the missing number:

a. $5 + \square = 12$

b. $\square + 6 = 13$

c. $3 + \square + 4 = 14$

7. a. Emma eats 7 apples before lunch and 3 apples after lunch.

How many apples did she eat altogether?

Answer: _____

b. How many more apples did Emma eat before lunch than after lunch?

Answer: _____

8. Work out these subtractions:

a. 12 — 4 = _____

b. 19 — 6 = _____

c. 36 — 5 = _____

d. 8 less than 22 = _____

e. 52 — 36 = _____

f. Find the difference between 30 and 8 _____

g. $\begin{array}{r} 27 \\ -\ 3 \\ \hline \end{array}$

h. $\begin{array}{r} 46 \\ -14 \\ \hline \end{array}$

i. $\begin{array}{r} 43 \\ -29 \\ \hline \end{array}$

9. Sam is 6 years younger than Emma who is 10 years old. How old is Sam?

Answer: _____

10. Helen has 8 cherries.

a. If she eats 2, how many are left? _____

b. If she eats 5 more, how many are left now? _____

11. Write down the missing number:

a. $9 - 6 = \square$

b. $7 - \square = 3$

c. $\square - 4 = 6$

d. $2 + 7 - 3 = \square$

e. $9 - 4 + 5 = \square$

12. a. $34 + 10 =$ _____

b. $51 + 100 =$ _____

c. $163 + 10 =$ _____

d. $98 + 10 =$ _____

e. 246 + 100 = _____

f. 89 — 10 = _____

g. 235 — 10 = _____

h. 390 — 100 = _____

i. 300 — 1 = _____

13. a. 6 x 2 = _____

b. 3 x 4 = _____

c. 5 lots of 5 = _____

d. 6 multiplied by 3 = _____

e. How many are eight twos? _____

14. There are 4 apples in one box.

How many apples would there be in 4 boxes?

Answer: _____

15. Peter has 6 toy cars. David has twice as many.

How many cars has David?

Answer: _____

16. There were 3 children in one team.

How many children would there be in 5 teams?

Answer: _____

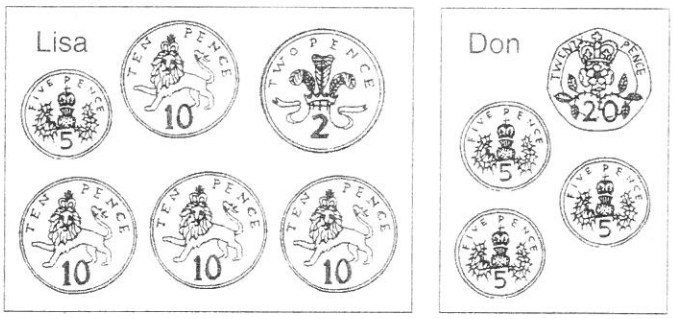
17. Divide 8 by 2 _____

18. How many 3s are there in 12? _____

19. Share 14 sweets among 2 children. _____

20. 25 ÷ 5 = _____

21. Lisa and Don have these coins.



a. How much does Lisa have? _____

b. How much does Don have? _____

c. How much more does Lisa have than Don? _____

d. What is the total value of the ten coins? _____

22. How much is:

a. Three 10p coins and two 20p coins?

Answer: _____

b. Five 5p coins and three 2p cons?

Answer: _____

23. a. Name 3 coins which add up to 17p.

_____p _____p _____p

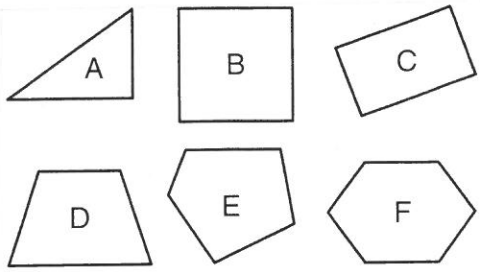
b. Name 3 coins which add up to 31p.

_____p _____p _____p

24. A girl spent 62p on a comic. If she paid with a £1 coin, how much change did she get?

Answer: _____

25. Look at shapes A-F.



a. Which is the triangle? _____

b. Which is the square? _____

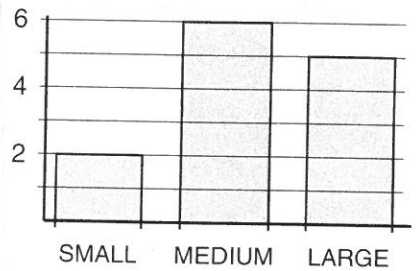
c. Which is the rectangle? _____

26. The block graph shows how many T-shirts Caroline sold yesterday.

How many were

a. small size _____

b. large size? _____

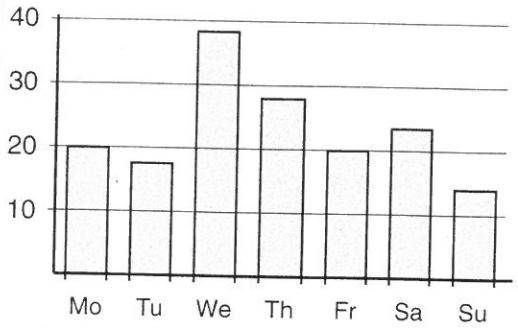


27. The block graph shows how many e-mails Andy received last week.

On which day did he receive

a. most e-mails _____

b. least e-mails _____



28. Pam keeps a tally of the tomatoes In her greenhouse.

RED	𝍸 𝍸 | | |
GREEN	𝍸 𝍸 𝍸 𝍸 | |

a. How many red tomatoes are there? _____

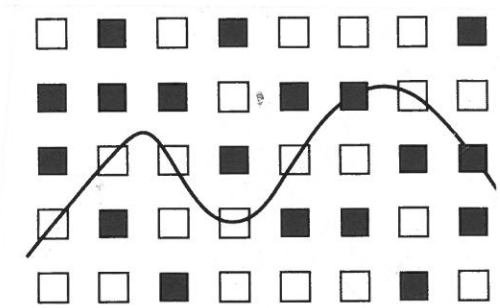
b. How many tomatoes are there altogether? _____

29. a. Count the stars _____



b. Are there more moons or more stars? _____

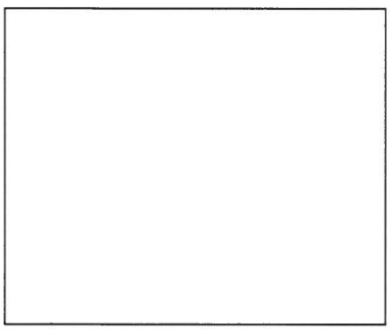
30.



a. How many whole squares are there below the line? _____

b. How many black squares are there altogether? _____

31. Shade in half of this square.



If you finish before the 45 minutes is up, go back and check your work.