Try to answer as many questions as you can.
If you cannot do a question, leave it and move onto the next question.

1) Write the following in figures:
   a) Three thousand, one hundred and two: __________________________
   b) Seven thousand and eight: __________________________

2) Put the following symbols = (equal to), > (greater than), < (less than) between these numbers and fractions.
   a) 4352 [ ] 4532
   b) 9098 [ ] 9089
   c) ½ [ ] ⅓
   d) ⅓ [ ] ⅕

3) What is the value of the underlined digit in the following:
   a) 2096: ______________
   b) 3109: ______________

4) Put these numbers in order of size from the smallest to the largest.
   3210  2301  3102  3012  2130  2310
   __________  __________  __________  __________  __________  __________
In questions 5 to 10 work out the answers and write your answers on the line. You can show your working, on the right hand side, if you wish.

5) \(78 \times 2 = \) ______________________

6) \(210 \div 10 = \) ______________________

7) \(45 \div \) ______________________ = 9

8) ______________________ – 17 = 35

9) \(37 + 8 = 52 - \) ______________________

10) \(14 + \) ______________________ + 13 = 45

11) One morning there were 664 children on a beach. 385 of them went home for lunch. How many children stayed on the beach?

12) John has £446, Sarah has £263 more than him. How much does Sarah have?
13) Fill in the missing digits in the following sums:

\[ \begin{array}{ccc}
   \text{a)} & 3 & \quad 5 \\
   + & 9 & = 1 \underline{\square} \\
   \hline
   \end{array} \quad \begin{array}{ccc}
   \text{b)} & 4 & \quad 5 \\
   - & 1 & \underline{\square} \\
   \hline
   \end{array} \\
\]

\[ \begin{array}{ccc}
   \text{c)} & 1 & \quad 5 & \quad 6 \\
   + & 2 & \quad 6 & \quad 7 \\
   \hline
   \underline{\square} & 2 & \quad 3 \\
   \end{array} \quad \begin{array}{ccc}
   \text{d)} & 3 & \quad 0 & \quad 4 \\
   - & 1 & \quad 7 & \quad 8 \\
   \hline
   \underline{\square} & 1 & \quad 6 \\
   \end{array} \]

14) In each row, work out what comes next and write it on the line.

\[ \begin{array}{c}
   \text{a)} & 3, \ 7, \ 11, \ 15, \ \underline{\text{___________}} \\
   \text{b)} & 49, \ 41, \ 33, \ 25, \ \underline{\text{___________}} \\
   \text{c)} & 2, \ 4, \ 8, \ 16, \ \underline{\text{___________}} \\
   \text{d)} & 4, \ 5, \ 7, \ 10, \ \underline{\text{___________}} \\
   \text{e)} & 5.30 \ p.m., \ 5.35 \ p.m., \ 5.40 \ p.m., \ 5.45 \ p.m., \ \underline{\text{___________}} \\
   \end{array} \]

15) Eggs are packed in boxes of 6. How many boxes are needed to pack 54 eggs?

\[ \underline{\text{___________}} \]

16) Apples cost 15 pence each. How much would 8 apples cost?

\[ \underline{\text{___________}} \]
17) For each row, work out what is missing and fill in the box.

a) 9 , 18 , 27 , ____________, 45 , 54
b) 80 , 68 , 56 , ____________, 32 , 20
c) 0 + 7 , ____________, 2 + 5 , 3 + 4 , 4 + 3 , 5 + 2

18) How many whole apples would twenty-four quarter apples make?

19) James has 36 sweets. He gives \( \frac{1}{4} \) of them to his brother.
   How many sweets does he have left?

20) Use two of these numbers below each time to make an answer of 24.
   (You may use a number more than once).

2  48  21  8  32  3

a) ____________ + ____________ = 24
b) ____________ – ____________ = 24
c) ____________ × ____________ = 24
d) ____________ ÷ ____________ = 24
21) It takes Rajiv 45 minutes to travel to school. What time does he have to leave in the morning to arrive at school at ten minutes to nine?


22) Sam drives 46 kilometres to work. David drives half the distance. How much further does Sam have to drive to work than David?


23) This function machine adds four and then multiplies by 3. Fill in the missing inputs and outputs:

\[ \text{INPUT} \rightarrow +4 \rightarrow \times 3 \rightarrow \text{OUTPUT} \]

- \[1 \rightarrow 5 \rightarrow \square \rightarrow 15\]
- \[3 \rightarrow 7 \rightarrow \square \rightarrow \square\]
- \[0 \rightarrow 4 \rightarrow \square \rightarrow \square\]
- \[\square \rightarrow \square \rightarrow \square \rightarrow 18\]
24) Look carefully at this pattern

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What fraction of this shape is grey? ____________________________

What fraction of this shape has a star in it? ____________________________

What fraction of this shape has a square in it? ____________________________

What fraction of this shape is white and empty? ____________________________

25) Which five coins make 74 pence?

________________ , __________ , __________ , __________ , __________

26) On the grid below draw the mirror image of this shape.
27) It takes me ten minutes to paint a picture. How many pictures could I paint in one hour and twenty minutes?

28) Sarah is six years younger than her sister, Elizabeth. Sarah is 15 years old. How old is Elizabeth?

29) On the clock below, draw on the hands of the clock to show a time of 9:25am

![Clock showing 9:25am](image)

30) Write, on the line, the digital time shown on the clock below.

![Clock with time 9:25am](image)

31) Make the following fractions equivalent (equal the same amount):

   a) \( \frac{1}{2} = \frac{\text{ } ^{\text{-}}_{10}}{ } \)

   b) \( 1 = \frac{6}{ } \)
32) Here are the scales of three different measuring instruments.

a)

What is the reading indicated by the arrow? __________________________

b)

What is the reading indicated by the arrow? __________________________

c)

What is the reading indicated by the arrow? __________________________
33) This peg A matches the hole in the top right-hand corner of the card, although the peg has to be turned first.

Write the correct letter in each of the other 8 holes, showing which of the pegs B to I fit in each hole.

THE PEGS

B  C  D  E

F  G  H  I

THE HOLES
34) The Jones family go to the cinema. The film starts at 5.40.
If the film lasts 1 hour 40 minutes, when does it end?

__________________________

35) 47 boys are going on a trip to the zoo by minibus.
If each minibus can carry 12 children, how many minibuses will be needed?

__________________________

36) Convert the following:

a) How many centimetres (cm) are there in 1½ metres? ______________________

b) How many metres (m) are there in 2¼ kilometres? ______________________

c) How many grams (g) are there in 5 kilograms? ______________________

37) During a 1 hour television programme there are two breaks of 3 minutes 30 seconds.
How long was the actual programme?

__________________________

38) Four different numbers, all in the 4 times-table, are put into order,
with the smallest number first and the largest number last.
The first number is 44. The last number is 56.
What are the other two numbers?

___________ and ___________

NOW GO BACK AND CHECK ALL YOUR ANSWERS