

- 1) Use the number below to answer the following questions:

349576

- What value does the underlined number have?
- Write the number in expanded notation.
- Which number is in the thousands position?
- Round off the number to the nearest 100.

(4)

2)

- List the factors of 36.
- Which factors are prime numbers?

(1)

(2)

- 3) List the following numbers in ascending order:

22,022 ; 2,002 ; 22,2 ; 2,22 ; 0,222 ; 0,002 ; 202,202

(1)

- 4) Complete the table:

|                                    |                                                 |                                           |
|------------------------------------|-------------------------------------------------|-------------------------------------------|
| $32 \div 4 = \underline{\quad}$    | $108 \div 12 = \underline{\quad}$               | $36 \div 3 \times 6 = \underline{\quad}$  |
| $\underline{\quad} \times 9 = 54$  | $63 = \underline{\quad} \times 9$               | $121 \div 11 = \underline{\quad}$         |
| $8 \times \underline{\quad} = 48$  | $3 \times \underline{\quad} \times 4 = 60$      | $78 \div 6 \times 13 = \underline{\quad}$ |
| $6 \times 500 = \underline{\quad}$ | $300 \div (4 + 2) \times 5 = \underline{\quad}$ | $65 + 5 - \underline{\quad} = 65$         |

(12)

- 5) Complete the following diagrams:

a)

| Input |                            |          |       | Output |
|-------|----------------------------|----------|-------|--------|
| 5     |                            |          |       | 15     |
| 6     | $\times \underline{\quad}$ | $\equiv$ | $-10$ | 20     |
| 7     |                            |          |       | 25     |
| 8     |                            |          |       | 35     |

b)

| Input               |            |          |      | Output              |
|---------------------|------------|----------|------|---------------------|
| 5                   |            |          |      | $\underline{\quad}$ |
| 6                   | $\times 2$ | $\equiv$ | $+5$ | $\underline{\quad}$ |
| $\underline{\quad}$ |            |          |      | 19                  |
| 9                   |            |          |      | $\underline{\quad}$ |
| 11                  |            |          |      | $\underline{\quad}$ |

(6)

6) Fill in  $>$ ,  $<$ ,  $=$  to make the following true:

a)  $654321 \underline{\hspace{1cm}} 645321$

b)  $36291 \underline{\hspace{1cm}} 36921$

(2)

7) Calculate the following:

a)  $1\,302\,301 - 236\,498 =$

(1)

b)  $3\,569\,241 + 654\,321 + 456\,789 =$

(1)

c)  $3097 \times 249 =$

(2)

d)  $3936 \div 36 =$

(2)

8) Calculate and give the answer in the simplest form:

a)  $1\frac{1}{6} + 3\frac{5}{6} - 2\frac{1}{6} =$

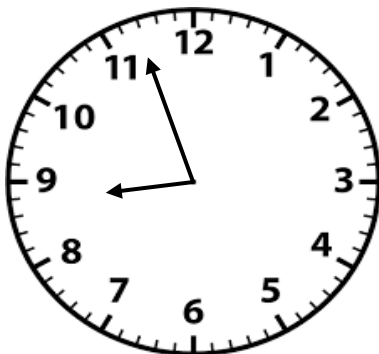
b)  $\frac{7}{8} - \frac{1}{3} =$

c)  $2\frac{3}{4} + 4\frac{2}{8} =$

(6)

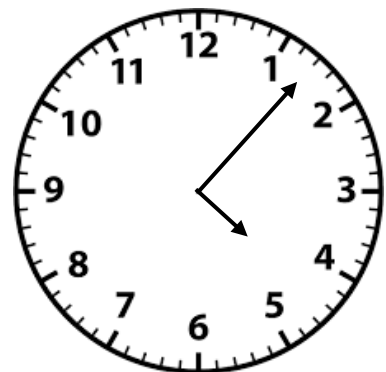
9) Write the time that is shown on the following clocks:

a)



\_\_\_\_\_

b)



\_\_\_\_\_

(2)

10) Draw the hands on the clock to show 22:17.



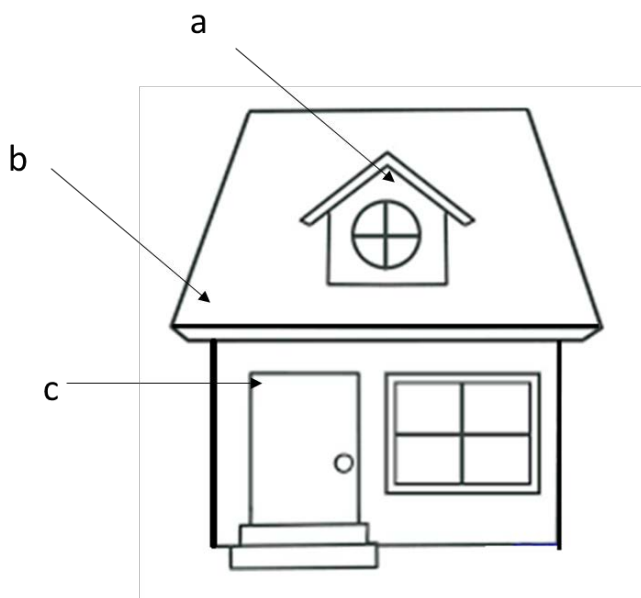
(1)

11) Fill in the table:

| Time in words | 12 hour time | 24 hour time |
|---------------|--------------|--------------|
|               | 6:30 pm      |              |
| Midday        |              |              |
|               |              | 09:45        |

(6)

12) Name the angles in the following diagram:



(3)

13) Solve the following story sums:

- A farmer has 6359 cows. If 234 cows die in winter and 517 calves are born in the spring how many cows does the farmer have?
- If Sarah ate  $\frac{3}{8}$  of a pizza and Bongani ate  $\frac{1}{4}$ ; how much pizza is left for Mark?
- A teacher wants to take all the grade 6s to the transport museum. If there are 685 learners and each bus can transport 60 learners, how many buses must the teacher order?
- If a car travels at a consistent speed of 120 km/h; how far has it travelled after 2.5 hours?

(8)