Grade 6 Math Paper 1

1. Circle the letter of the correct answer.

1.1 Which number consist of:

9t + 4U + 8T + 5H + 6h

A 948,56
B 584,96
C 548,69
D 546,89 (1)

1.2 Round 5 687 off to the nearest 5.

A 5 685
B 5 700
C 5 690
D 5 600 (1)

1.3 What number is three million more than 345 678 901 is?

A 645 678 901
B 375 678 901
C 348 978 901
D 348 678 901 (1)

1.4 Which ONE of the following geometrical shapes has only one line of symmetry?

A 
B 
C 
D 
(1)

1.5 Xola wrote this pattern on the board.

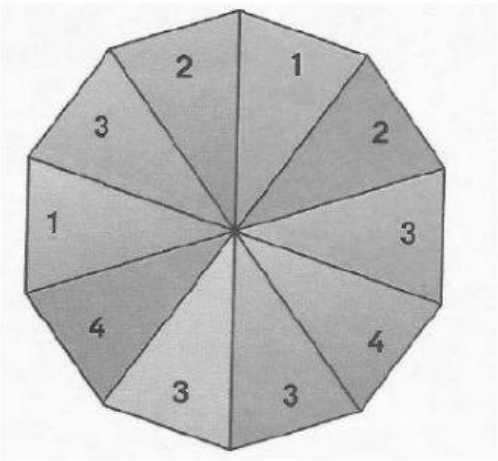
3 ; 6 ; _____ ; _____ ; 48

Which numbers will fit in the open spaces, if the pattern stays the same?

A 12 ; 24
B 9 ; 15
C 9 ; 24
D 12 ; 20 (1)

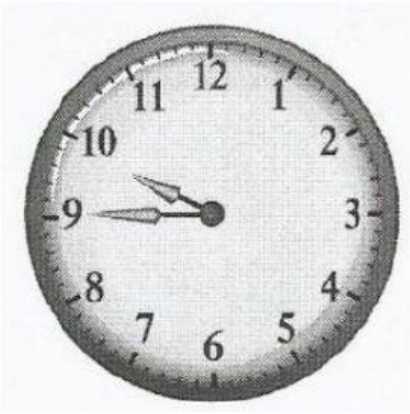
1.6 Consider the spinner and answer the following question.

Which number are you most likely to get if you spin the spinner?



A 1
B 2
C 3
D 4 (1)

1.7 Which one will match the time on the clock with the time below in words?



A Nine minutes past ten
B Ten minutes past nine
C Quarter to nine
D Quarter to ten (1)

1.8 How many millilitres of water are in the jug?

A 125 mℓ
B 125 litres
C 125 kℓ
D 150 mℓ (1)

1.9 A farmer has 6 chickens. Each chicken has 7 chicks. How many chicks are there altogether?

A 13
B 24
C 42
D 67 (1)

1.10 Fill in the correct operation signs below to make the following number sentence true:

6 * 5 * 5 = 35

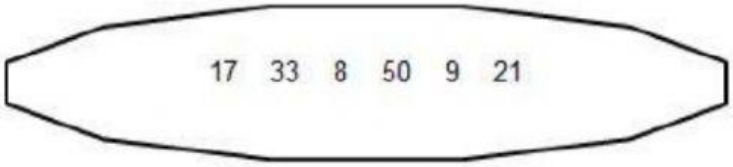
A x ; +
B x ; –
C + ; ÷
D – ; + (1)

2. Write the number below in digits.

Seventeen million seven hundred and fifty five thousand one hundred and forty two.

_____ (1)

3. Choose one number out of the following set of numbers that fits each of the descriptions below.



3.1 A prime number: _____ (1)

3.2 A multiple of 10: _____ (1)

3.3 A factor of 27: _____ (1)

3.4 A number divisible by 5: _____ (1)

4. What is the value of the underlined digit in 82 3<u>9</u>4 782?

_____ (1)

5. Twenty articles cost R120 and are sold for R7,50 each. Calculate the total profit.

_____ (2)

6. Arrange the following common fractions in ascending order of size using the symbol " >."

$\frac{58}{100}$; $\frac{9}{10}$; $\frac{57}{100}$; $\frac{6}{10}$

_____ (1)

7. Find the value of x in the following:

$x \div 4 = 36 \div 3$

$x =$ _____ (1)

8. Calculate:

37,58 x 10 = _____ (1)

9. Calculate the answers for QUESTIONS 9.1 to 9.5.

9.1 48 132 975 + 1 639 201 = (2)

9.2 438 301 – 139 574 = (2)

9.3 23 478 x 425 = (4)

9.4 4 140 ÷ 115 = (3)

9.5 $2\frac{1}{4} + 3\frac{1}{3} + 2\frac{1}{12} =$ (3)

10. John divided a certain number by 17. He found an answer of 325 with a remainder of 4. What is the number?

(3)

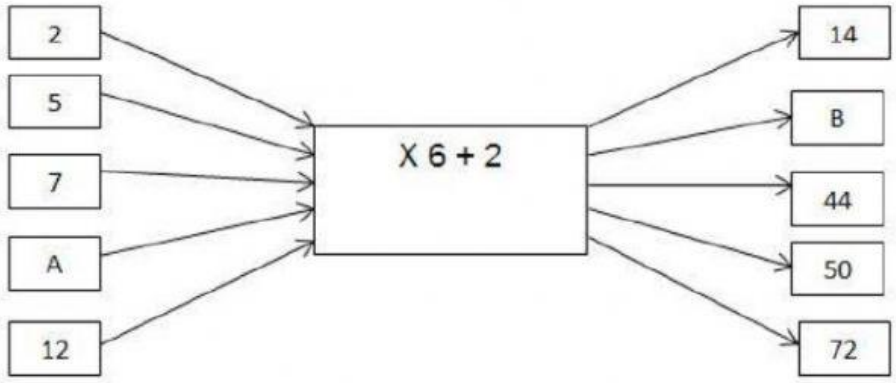
11. Paul has an empty suitcase weighing 200 g. He packs 7 parcels in it, with each parcel having a mass of 800 g. Find the total mass of the packed suitcase in kilograms.

(3)

12. Twenty learners wrote a test. The ratio of the learners who passed to the learners who failed is 3 : 2. How many learners passed the test?

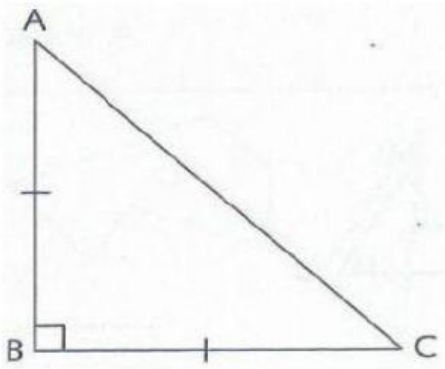
(2)

13. Complete the flow diagram.



A = _____ B = _____ (2)

14. Study the following 2D-shape.



14.1 Give the name of the above triangle.

_____ (1)

14.2 Name angle B.

_____ (1)

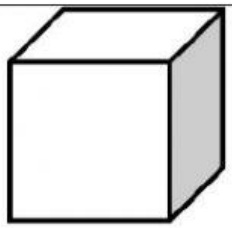
14.3 If side $\overline{AB}$ above is 6 cm long, how long will side $\overline{BC}$ be?

_____ (1)

14.4 If the perimeter is 20 cm, how long is $\overline{AC}$?

_____ (1)

15. Complete the table below:

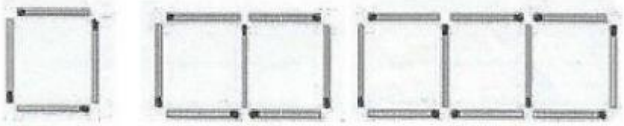
	
Name the 3D shape.	15.1.
Number of faces.	15.2.
Number of vertices.	15.3.

(3)

16. How many minutes and seconds are left on the watch before 11 o'clock strikes?

_____ (1)

17 Study the following geometric pattern below and complete the table below. All the stages form a pattern (sameness).



Stage 1 Stage 2 Stage 3 Stage 4

17.1 How many matches do we need?

Number of squares	1	2	3	4	5	30	
Number of matches needed	4	7	10	13	16	91	151

(1)

17.2 Describe the rule in your own words.

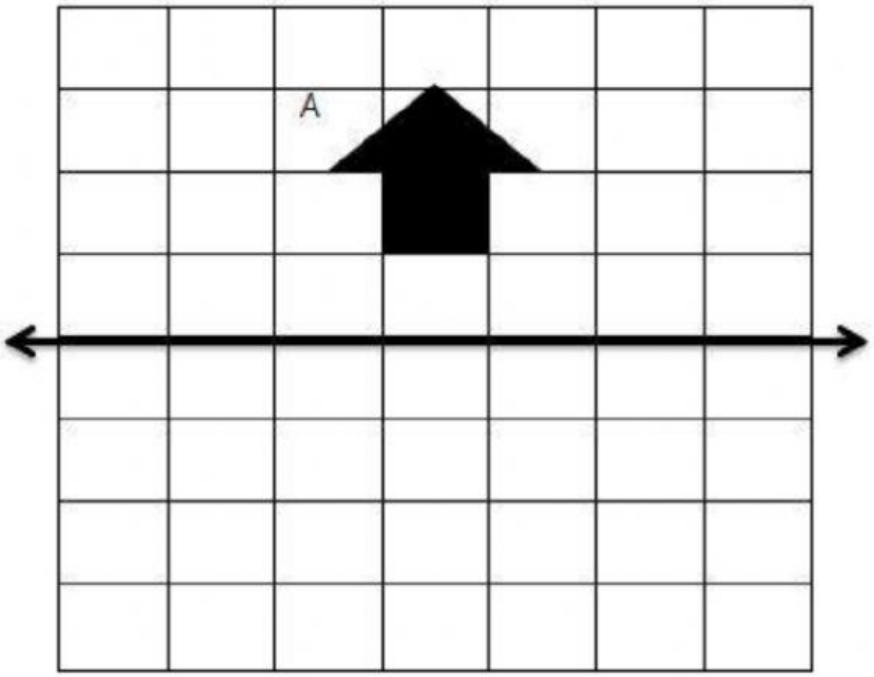
_____ (1)

18. Complete the table below:

Common Fraction	Decimal Fraction	Percentage
$\frac{1}{2}$	0,5	50%
$\frac{7}{10}$		
$\frac{3}{4}$		

(4)

19. Draw the reflection of shape A in the square below.



(1)