Grade 5 | Mental Maths | Term 4

Question 1

Write down the value of each underlined digit.

a)   7 2̲36   ………………

b)   2̲9 136   ………………

c)   756 6̲1̲2   ………………

d)   4̲62 807   ………………

Complete:

Six hundred and five thousand, eight hundred and twenty one is written…

Answer: ……………………

Total ___ /5

Question 2

The number which is:

a) 5 Th more than 7 582 is

………………………………

b) 700 less than 15 250 is

………………………………

c) 30 more than 29 999 is

………………………………

d) 25 × 100 less than 100 000 is

………………………………

Total ___ /4

Question 3

a) 7 000 + 500 000 = ………………

b) 25 tens + 10 units = ………………

c) 800 + 200 000 + 600 = ……………

d) (3 × 10) + (8 × 1 000) = …………

e) 20 hundreds + 30 tens

    = …………………………………

f) 1 + 10 + 100 + 10 000 = …………

g) (18 × 100) + (3 × 1 000) = …………

h) 50 + 60 000 + 70 + 900 = …………

Total ___ /8

Question 4

Round off to the nearest 5:

a)   727 ≈ …………………

b)   5 582 ≈ …………………

c) 19 398 ≈ …………………

Round off to the nearest 1 000:

a)   7 826 ≈ …………………

b)   19 526 ≈ …………………

c) 405 299 ≈ …………………

Total ___ /6

Question 5

Insert the symbol $>$, $<$ or $=$.

a) $66\,689 + 10$ …… $66\,698$

b) 230×10 …… $23 \times 10 \times 10$

c) $20\,000 \times 1$ …… $19\,999 + 1$

d) $800\,000 + 60$ …… $600\,000 + 800$

e) $12\,700$ …… $(12 \times 1000) + (7 \times 10)$

f) $9\,999 \times 0$ …… $1\,000 \times 1$

g) 100×100 …… $100\,000$

Total ___ /7

Question 6

a) $8 + 9 + 2 =$ …………

b) $250 + 25 + 2 =$ …………

c) $1\,800 + 576 =$ …………

d) $3\,500 + 6\,500 =$ …………

e) $19\,999 + 25 =$ …………

f) $28\,001 + 7\,001 =$ …………

g) $80\,018 + 10\,081 =$ …………

h) $352\,070 + 18\,030 =$ …………

Total ___ /8

Question 7

a) $50 - 15 - 5 =$ …………

b) $1\,000 - 68 =$ …………

c) $640 - 60 - 4 =$ …………

d) $898 - 199 =$ …………

e) $5\,000 - 5 - 500 =$ …………

f) $14\,300 - 6\,000 - 200 =$ …………

g) $80\,000 - 8\,000 - 80 =$ …………

h) $200\,000 - 185\,100 =$ …………

Total ___ /8

Question 8

a) $25 +$ ……… $= 54$

b) $300 -$ ……… $= 230$

c) $5 +$ ……… $+ 9 = 22$

d) ………… $- 950 = 250$

e) ………… $+ 2\,500 = 6\,200$

f) $15\,000 +$ ………… $= 21\,080$

g) …………… $- 45\,789 = 54\,211$

h) $198\,550 +$ ………… $= 200\,000$

Total ___ /8

Question 9

a) The sum of 6 700 and 54 300 is

....

b) What number is 1 800 less
than 5 000?

....

c) 80 000 more than 120 500

= ....

d) How much must be added to
24 500 to get 36 000?

....

e) How much more is four hundred
and five thousand Rand
than four hundred thousand
five hundred Rand?

....

Total ___ /5

Question 10

1. When 1 250 is subtracted from
a certain number the answer
is 1050.

What is the number?

....

2. The sum of four consecutive
numbers is 50.

One of the numbers is 13.

Determine the remaining
three numbers.

....

Total ___ /4

Question 11

How many faces does a/an:

a) cube have? ....

b) triangular based pyramid have? ....

c) rectangular prism have? ....

d) triangular prism have? ....

e) square based pyramid have? ....

f) hexagonal prism have? ....

g) pentagonal prism have? ....

Total ___ /7

Question 12

Write equivalent fractions.

a) $\dfrac{1}{4} = \dfrac{}{12}$

b) $\dfrac{}{10} = \dfrac{2}{5}$

c) $\dfrac{2}{3} = \dfrac{8}{}$

d) $\dfrac{}{15} = \dfrac{4}{5}$

e) $\dfrac{}{20} = \dfrac{3}{4}$

f) $\dfrac{1}{3} = \dfrac{}{6} = \dfrac{}{15}$

g) $\dfrac{3}{4} = \dfrac{6}{} = \dfrac{}{12}$

Total ___ /7

Question 13

Write as mixed numbers.

a) $\frac{7}{3} = \ldots\ldots\ldots$

b) $\frac{27}{5} = \ldots\ldots\ldots$

c) $\frac{35}{4} = \ldots\ldots\ldots$

Write as improper fractions.

d) $10\frac{1}{2} = \ldots\ldots\ldots$

e) $3\frac{5}{6} = \ldots\ldots\ldots$

f) $7\frac{7}{10} = \ldots\ldots\ldots$

Total ___ /8

Question 14

Write in simplest form:

a) $\frac{4}{6} = \ldots\ldots\ldots$

b) $\frac{4}{8} = \ldots\ldots\ldots$

c) $\frac{10}{6} = \ldots\ldots\ldots$ Answer as Mixed number.

d) $\frac{16}{20} = \ldots\ldots\ldots$

e) $\frac{15}{20} = \ldots\ldots\ldots$

f) $\frac{30}{20} = \ldots\ldots\ldots$ Answer as Mixed number.

g) $\frac{15}{40} = \ldots\ldots\ldots$

Total ___ /8

Question 15

a) $\frac{4}{7} + \frac{2}{7} = \ldots\ldots\ldots$

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

c) $1 - \frac{1}{10} = \ldots\ldots\ldots$

d) $\frac{3}{4} + \frac{3}{4} + \frac{3}{4} = \ldots\ldots\ldots$

e) $5 - 2\frac{2}{3} = \ldots\ldots\ldots$

f) $2\frac{3}{5} + 3\frac{4}{5} = \ldots\ldots\ldots$

g) $8\frac{11}{12} - 5\frac{8}{12} = \ldots\ldots\ldots$

h) $3\frac{1}{6} - 2\frac{5}{6} = \ldots\ldots\ldots$

Total ___ /8

Question 16

a) $\frac{1}{4}$ of $12 = \ldots\ldots\ldots$

b) $\frac{2}{3}$ of $12 = \ldots\ldots\ldots$

c) $\frac{1}{5}$ of $20 = \ldots\ldots\ldots$

d) $\frac{3}{4}$ of $20 = \ldots\ldots\ldots$

e) $\frac{1}{3}$ of $150 = \ldots\ldots\ldots$

f) $\frac{3}{5}$ of $150 = \ldots\ldots\ldots$

g) $\frac{3}{4}$ of $200 = \ldots\ldots\ldots$

h) $\frac{1}{8}$ of $200 = \ldots\ldots\ldots$

Total ___ /8

Question 17

a) 18 apples are shared equally amongst Jane, Jone and Kim.

What fraction of the apples does each girl get?

Answer: ……………………

b) James has 20 pens.
Six are blue, 10 are black and the rest are red.

What fraction of the pens are:

a) blue? ……………………

b) black? ……………………

c) red? ……………………

Total ___ /4

Question 18

a) Ouma bakes 6 cakes so that if she cuts each cake into eight equals slices, each child will get 1 slice. How many children are there?

……………………………………

b) There are 300 flowers.
$\frac{1}{3}$ of the flowers are daisies, $\frac{2}{5}$ are lilies and the rest are roses.

The number of:

a) lilies = ……………………

b) daisies = ……………………

c) roses = ……………………

Total ___ /4

Question 19

a) $21 \div 3 =$ ……………………

b) $35 \div 6 =$ ……………………

c) $56 \div 8 =$ ……………………

d) $65 \div 7 =$ ……………………

e) Half of $13 =$ ……………………

f) $\frac{1}{3}$ of $10 =$ ……………………

g) From which number can 12 be subtracted 7 times?

……………………………………

Total ___ /7

Question 20

Write down all the factors of:

a) 18. ……………………………………

b) 24. ……………………………………

c) 45. ……………………………………

Write down the first 5 multiples of:

a) 8. ……………………………………

b) 13. ……………………………………

c) 25. ……………………………………

Total ___ /6

Question 21

Fill in the missing numbers:

a) $12 \div \ldots\ldots = 3$

b) $\ldots\ldots \div 7 = 4$

c) $\ldots\ldots \div 8 = 4$ rem 1

d) $42 \div 6 = \ldots\ldots$

e) $48 \div \ldots\ldots = 9$ rem 3

f) $\ldots\ldots \div 8 = 9$

g) $60 \div 9 = \ldots\ldots$ rem 6

Total ___ /7

Question 22

a) $80 \div 5 = \ldots\ldots$

b) $120 \div 3 = \ldots\ldots$

c) $100 \div 4 = \ldots\ldots$

d) $72 \div 3 = \ldots\ldots$

e) $300 \div 6 = \ldots\ldots$

f) $125 \div 5 = \ldots\ldots$

g) $200 \div 5 = \ldots\ldots$

h) $600 \div 4 = \ldots\ldots$

Total ___ /8

Question 23

a) $100 \div 5 \div 5 = \ldots\ldots\ldots\ldots$

b) $120 \div 3 \div 5 = \ldots\ldots\ldots\ldots$

c) $240 \div 4 \div 4 = \ldots\ldots\ldots\ldots$

d) $300 \div 3 \div 4 = \ldots\ldots\ldots\ldots$

e) $350 \div 7 \div 2 = \ldots\ldots\ldots\ldots$

f) $420 \div 6 \div 2 = \ldots\ldots\ldots\ldots$

g) $500 \div 5 \div 5 = \ldots\ldots\ldots\ldots$

h) $560 \div 7 \div 5 = \ldots\ldots\ldots\ldots$

Total ___ /8

Question 24

a) $360 \div 12 = \ldots\ldots\ldots\ldots$

b) $300 \div 15 = \ldots\ldots\ldots\ldots$

c) $100 \div 25 = \ldots\ldots\ldots\ldots$

d) $240 \div 16 = \ldots\ldots\ldots\ldots$

e) $360 \div 24 = \ldots\ldots\ldots\ldots$

f) $420 \div 12 = \ldots\ldots\ldots\ldots$

g) $480 \div 32 = \ldots\ldots\ldots\ldots$

h) $810 \div 18 = \ldots\ldots\ldots\ldots$

Total ___ /8

Question 25

1. Share R90 equally amongst 2 girls and 3 boys.

   ………………………………

2. The cashier at the soccer game collected R980.
   Each ticket cost R35.
   How many people watched the soccer game?

   ………………………………

3. A bus can transport 12 people. How many busses are needed to transport:

 a) 70 people? …………………

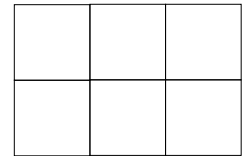 b) 300 people? …………………

Total ___ /4

Question 26

1. A square has a length of 6cm.

   What is its perimeter?

   ………………………………

2. The perimeter of a rectangle is 24m. The length is 8m. What is the width?

   ………………………………

3. Each block making this rectangle is 1cm by 1cm long.

   Calculate its:

   a) area. ……………

   b) perimeter. …………………

Total ___ /4

Question 27

True or False?

 a) $9 + 8 = 8 + 9$ ……………

 b) $12 - 5 = 5 - 12$ ……………

 c) $7 \times 15 = 15 \times 7$ ……………

 d) $40 \div 8 = 8 \div 40$ ……………

 e) $30 - (12 - 5) = 13$ ……………

 f) $2 \times 3 \times 4 = 234$ ……………

 g) $80 \div 5 \div 4 = 80 \div 20$ …………

 h) $120 \div 25 = 120 \div 2 \div 5$ …………

Total ___ /8

Question 28

Complete:

 a) $8 \times (4 + 5) =$ …………………

 b) $(12 - 5) \times 13 =$ …………………

 c) $(27 + 18) \div 3 =$ …………………

 d) $50 - (60 \div 12) =$ …………………

 e) $(80 - 15) \div 5 =$ …………………

 f) $100 - (120 \div 4) =$ …………………

 g) $(8 + 5) \times (60 \div 4) =$ …………………

 h) $(9 \times 8) + (8 \times 9) =$ …………………

Total ___ /8

Question 29

Write a number sentence and then find each answer.

a) Multiply the difference between 10 and 7 by 4.

....

b) Subtract 12 from the product of 5 and 8.

....

c) Subtract 10 from the sum of 25 and 15.

....

d) Divide the sum of 9 and 6 by 2.

....

e) Subtract the product of 7 and 8 from 100.

....

Total ___ /5

Question 30

*Fill in the missing numbers.

a) $(2 + 3) \times$ .... $= 60$.

b) $30 - ($ ...... $\times 8) = 6$.

c) $(14 \times 5) \div$ .... $= 7$.

d) .... $- (36 - 17) = 54$.

e) $($ .... $\div 7) \div 2 = 4\frac{1}{2}$.

f) $20 + ($ ...... $\times 8) = 15 \times 4$

g) $(200 \div$ ...... $) + 5 = 12 + 18$

Total ___ /7

Question 31

a) $123 + 321 + 213 =$ ....

b) $20\ 000 - 15\ 950 =$ ....

c) $8 \times 12 \times 1 \times 2 \ =$ ....

d) $90 \div 4 =$ ....

e) $\frac{3}{8}$ of $200 =$ ....

f) Calculate the difference between 9×18 and 7×18.

....

g) $5\frac{2}{3} =$ .... thirds

Total ___ /7

Question 32

1. Which number sentence is true?

   A ☺ $- 5 = 5 -$ ☺

   B ☺ $+ 1 =$ ☺ $\times 1$

   C ☺ $\times 2 \times 3 =$ ☺ $\times 23$

   D ☺ $\times 1 = 0 +$ ☺ $\square$

   E ☺ $\times 0 =$ ☺ $- 0$

2. The product of three consecutive even numbers is 48.

   One of the numbers is 4.
   Find the other two numbers.

   ....

Total ___ /3