

Grade 5 | Mental Maths | Term 3

Question 1

- a) 1 whole = sixths
- b) 2 wholes = quarters
- c) 2 eighths + 3 eighths =
- d) 1 third of 12 =
- e) 1 of 30 = 15
- f) 1 third = sixths
- g) quarters = 6 eighths
- h) 1 and a half = halves

Total ____ /8

Question 2

- a) $\frac{4}{9} + \frac{2}{9} = \dots\dots\dots$
- b) $\frac{2}{3} - \frac{1}{3} = \dots\dots\dots$
- c) $1 - \frac{5}{12} = \dots\dots\dots$
- d) $\frac{2}{5} + \frac{2}{5} + \frac{2}{5} = \dots\dots\dots$
- e) $4 - 1\frac{1}{2} = \dots\dots\dots$
- f) $1\frac{5}{7} + 1\frac{4}{7} = \dots\dots\dots$
- g) $5\frac{2}{3} - 3\frac{1}{3} = \dots\dots\dots$
- h) $3\frac{1}{4} - 1\frac{3}{4} = \dots\dots\dots$

Total ____ /8

Question 3

Write equivalent fractions.

- a) $\frac{1}{2} = \frac{\quad}{6} = \frac{\quad}{10}$
- b) $\frac{\quad}{8} = \frac{3}{4}$
- c) $\frac{1}{3} = \frac{4}{\quad}$
- d) $\frac{1}{4} = \frac{2}{\quad} = \frac{\quad}{12}$
- e) $\frac{3}{4} = \frac{\quad}{12}$
- f) $\frac{\quad}{20} = \frac{2}{5}$
- g) $\frac{2}{3} = \frac{20}{\quad}$

Total ____ /7

Question 4

Write as mixed numbers.

- a) $\frac{4}{3} = \dots\dots\dots$
- b) $\frac{21}{2} = \dots\dots\dots$
- c) $\frac{18}{4} = \dots\dots\dots$

Write as improper fractions.

- d) $1\frac{1}{4} = \dots\dots\dots$
- e) $2\frac{2}{3} = \dots\dots\dots$
- f) $10\frac{3}{4} = \dots\dots\dots$

Total ____ /6

Question 5

Write in the simplest form.

a) $\frac{2}{8} = \dots\dots\dots$

b) $\frac{12}{20} = \dots\dots\dots$

c) $\frac{9}{6} = \dots\dots\dots$

d) $\frac{15}{30} = \dots\dots\dots$

Complete: 12 cakes are shared equally amongst 3 people.

What fraction of the cakes does each person get?

Answer: $\dots\dots\dots$

Total ____ /5

Question 6

Complete:

a) Ma orders 5 pizzas so that each girl gets one quarter of a pizza.

How many girls are there?

$\dots\dots\dots$

b) JP has R20.

He spends R8 on chips and R4 on sweets.

What fraction of his money does he have left?

$\dots\dots\dots$

Total ____ /2

Question 7

a) 2 kg = $\dots\dots\dots$ g

b) $\frac{1}{4}$ kg = $\dots\dots\dots$ g

c) 8 kg 3g = $\dots\dots\dots$ g

d) 3,5 kg = $\dots\dots\dots$ g

e) 2 kg - 400 g = $\dots\dots\dots$ g

f) $\frac{3}{4}$ kg + 150 g = $\dots\dots\dots$ g

g) 12 kg 50 g = $\dots\dots\dots$ g

h) 7 kg - 4,5 kg = $\dots\dots$ kg $\dots\dots\dots$ g

Total ____ /8

Question 8

a) 1kg 200g \times 4 = $\dots\dots$ kg $\dots\dots\dots$ g

b) $\frac{1}{2}$ kg \times 3 = $\dots\dots\dots$ g

c) 2kg 400g \times 3 = $\dots\dots$ kg $\dots\dots\dots$ g

d) $\frac{1}{4}$ kg \div 2 = $\dots\dots\dots$ g

e) 1kg 200g \div 3 = $\dots\dots\dots$ g

f) $\frac{1}{4}$ kg \times $\dots\dots\dots$ = 1kg

g) 4 kg - $\dots\dots\dots$ g = 3,5 kg

h) $\dots\dots\dots$ g + $\frac{1}{2}$ kg = 1kg 400 g

Total ____ /8

Question 9

What fraction is:

[Answer in simplest form. No units in the answer]

- a) 2kg of 10kg? $\frac{2 \text{ kg}}{10 \text{ kg}} = \frac{1}{5}$
- b) 40g of 100g?
- c) 10kg of 25kg?
- d) 250g of 1kg?

Complete:

Alex bought 4kg of sugar for R60.
What will 3kg of this sugar cost?

.....
.....

Total ____ /5

Question 10

- a) $70\,000 + 50 = \dots\dots\dots$
- b) $120 \text{ tens} + 18 \text{ units} = \dots\dots\dots$
- c) $400 + 400\,000 + 600 = \dots\dots\dots$
- d) $100\,000 + 3\,500 = \dots\dots\dots$
- e) $100 \text{ hundreds} + 15 \text{ tens}$
 $= \dots\dots\dots$
- f) $(3 \times 100) + (8 \times 100) = \dots\dots\dots$
- g) $(9 \times 10\,000) + (2 \times 10) = \dots\dots\dots$
- h) $(18 \times 1\,000) + (3 \times 100) = \dots\dots\dots$

Total ____ /8

Question 11

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

- a) $66\,689 \dots\dots\dots 66\,698$
- b) $23 \text{ hundreds} \dots\dots\dots 23 \times 10 \times 10$
- c) $72\,046 \times 1 \dots\dots\dots 72\,046 + 1$
- d) $20\,000 + 600 \dots\dots\dots 60\,000 + 20$
- e) $7\,030 \dots\dots\dots (7 \times 1000) + (3 \times 100)$
- f) $\frac{1}{3}$ of $30\,000 \dots\dots\dots \frac{1}{4}$ of $40\,000$
- g) $\frac{2}{3}$ of $96 \dots\dots\dots \frac{3}{4}$ of 96

Total ____ /7

Question 12

Round off to the nearest 10:

- a) $163 \approx \dots\dots\dots$
- b) $3\,497 \approx \dots\dots\dots$
- c) $838\,276 \approx \dots\dots\dots$

Round off to the nearest 100:

- a) $587 \approx \dots\dots\dots$
- b) $18\,329 \approx \dots\dots\dots$
- c) $564\,671 \approx \dots\dots\dots$

Total ____ /6

Question 13

Round off to the nearest 1000:

- a) $9\ 825 \approx \dots\dots\dots$
- b) $85\ 269 \approx \dots\dots\dots$
- c) $238\ 940 \approx \dots\dots\dots$

Complete:

- a) Fourteen thousand, one hundred and nine is written
 $\dots\dots\dots$
- b) Eight hundred and ninety-five thousand and two is written
 $\dots\dots\dots$

Total ____ /5

Question 14

- a) $2\ 500 + 40 = \dots\dots\dots$
- b) $2\ 500 + 250 = \dots\dots\dots$
- c) $2\ 500 + 1\ 500 = \dots\dots\dots$
- d) $2\ 500 + 10\ 500 = \dots\dots\dots$
- e) $25\ 000 + 250 = \dots\dots\dots$
- f) $25\ 000 + 7\ 000 = \dots\dots\dots$
- g) $25\ 000 + 25\ 000 = \dots\dots\dots$
- h) $25\ 000 + 207\ 000 = \dots\dots\dots$

Total ____ /8

Question 15

- a) $25 - 8 - 3 = \dots\dots\dots$
- b) $100 - 15 - 25 = \dots\dots\dots$
- c) $250 - 70 - 5 = \dots\dots\dots$
- d) $800 - 150 - 150 = \dots\dots\dots$
- e) $1\ 000 - 120 - 25 = \dots\dots\dots$
- f) $15\ 000 - 6\ 000 - 200 = \dots\dots\dots$
- g) $30\ 000 - 3\ 000 - 300 = \dots\dots\dots$
- h) $42\ 500 - 3\ 500 - 250 = \dots\dots\dots$

Total ____ /8

Question 16

- a) $25 + \dots\dots\dots = 34$
- b) $230 + \dots\dots\dots = 300$
- c) $145 + \dots\dots\dots = 223$
- d) $\dots\dots\dots + 900 = 1\ 500$
- e) $\dots\dots\dots + 2\ 500 = 6\ 000$
- f) $15\ 000 + \dots\dots\dots = 19\ 750$
- g) $\dots\dots\dots + 80\ 000 = 130\ 000$
- h) $32\ 550 + \dots\dots\dots = 33\ 000$

Total ____ /8

Question 17

- a) $92 - \dots = 54$
- b) $120 - \dots = 70$
- c) $\dots - 40 = 1\,960$
- d) $3\,500 - \dots = 2\,000$
- e) $\dots - 7\,000 = 5\,000$
- f) $\dots - 4\,400 = 9\,000$
- g) $10\,000 - \dots = 6\,500$
- h) $85\,450 - \dots = 65\,450$

Total ____ /8

Question 18

- a) $8 + \dots + 2 + 10 = 27$
- b) $120 + \dots + 160 = 460$
- c) $400 + 500 + \dots = 1\,500$
- d) $1\,500 + 150 + \dots = 1\,665$
- e) $\dots + 350 + 450 = 1\,050$
- f) $3\,000 + \dots + 500 = 4\,200$
- g) $2\,000 + 7\,000 + \dots = 17\,500$
- h) $85 + 78 + \dots + 27 = 265$

Total ____ /8

Question 19

- a) $34 - 12 - 7 = \dots$
- b) $150 - 25 - 35 = \dots$
- c) $1\,300 - 70 - 80 = \dots$
- d) $1\,300 - 200 - 300 = \dots$
- e) $10\,000 - 1\,500 - 2\,500 = \dots$
- f) $12\,500 - 700 - 3\,000 = \dots$
- g) $12\,500 - 7\,000 - 300 = \dots$
- h) $12\,500 - 7\,000 - 3\,000 = \dots$

Total ____ /8

Question 20

- a) The temperature is 18°C .
It rises by 7°C .
New temperature = \dots
- b) The temperature is 10°C .
It drops by 12°C .
New temperature = \dots
- c) The temperature is -5°C .
It rises by 10°C .
New temperature = \dots
- *d) The temperature is 12°C .
It drops by 20°C .
New temperature = \dots

Total ____ /4

Question 21

Complete each number pattern.

- a) 14 ; 20 ; 26 ; ;
- b) 64 ; 32 ; 16 ; ;
- c) 1 ; 4 ; 9 ; 16 ; ;
- d) 9 ; 18 ; 36 ; ;
- e) 2 ; 6 ; 12 ; 20 ; ;
- f) 100 ; 92 ; 84 ; ;
- g) 20 ; 19 ; 17 ; 14 ; ;

Total ____ /7

Question 22

- a) $7 \times (3 + 4) = \dots\dots\dots$
- b) $(7 - 3) \times 4 = \dots\dots\dots$
- c) $(12 + 18) \div 3 = \dots\dots\dots$
- d) $12 + (18 \div 3) = \dots\dots\dots$
- e) $(40 - 12) \div 4 = \dots\dots\dots$
- f) $40 - (12 \div 4) = \dots\dots\dots$
- g) $(8 + 4) \times (20 \div 4) = \dots\dots\dots$
- h) $(8 \times 4) \div (20 - 4) = \dots\dots\dots$

Total ____ /8

Question 23

True or False?

If False, give the correct answer

- a) $1\ 000 - 450 = 650$ False. 550
- b) $2\ 530 \times 10 = 2\ 540$
- c) $20 - 8 - 4 = 20 - 4 - 8$
- d) $100 \div (4 \times 5) = 5$
- e) $(2 \times 8) + 4 = (2 + 8) \times 3$
- f) $1\ 500 - 150 = 1\ 250$
- g) $12\ 000 = 12 \times 10 \times 100$

Total ____ /7

Question 24

- a) $10 \times 10 = \dots\dots\dots$
- b) $12 \times 12 = \dots\dots\dots$
- c) $8 \times 30 = \dots\dots\dots$
- d) $50 \times 10 \times 10 = \dots\dots\dots$
- e) $12 \times 2 \times 3 = \dots\dots\dots$
- f) $40 \times 50 = \dots\dots\dots$
- g) $300 \times 12 = \dots\dots\dots$
- h) $800 \times 60 = \dots\dots\dots$

Total ____ /8

Question 25

Write down all the factors of:

a) 12.

b) 25.

c) 42.

Write down the first 5 multiples of:

a) 4.

b) 9.

c) 12.

Total ____ /6

Question 26

a) $\times 6 = 42$

b) $13 \times \dots = 39$

c) $\times 13 = 130$

d) $\times 12 = 132$

e) $18 \times 0 \times 5 = \dots$

f) $30 \times \dots = 120$

g) $150 \times 20 = \dots$

h) $\times 900 = 45\ 000$

Total ____ /8

Question 27

a) $1\ 500 + 51\ 000 = \dots$

b) $10\ 000 - 9\ 950 = \dots$

c) $38 \times 22 = \dots$

d) $50 \div 4 = \dots$

e) $45\ 500 + 32\ 600 = \dots$

f) $52\ 800 - 12\ 800 = \dots$

g) $900 \times 25 = \dots$

h) $420 \div 7 = \dots$

Total ____ /8

Question 28

a) $120 + 1\ 200 + 12\ 000 = \dots$

b) $80\ 000 - 8\ 000 - 80 = \dots$

c) $15 \times 20 \times 5 = \dots$

d) $100 \div (20 \div 5) = \dots$

e) $4\ 585 + \dots = 7\ 165$

f) $5\ 000 - 1\ 250 = \dots$

g) $9\ 500 \times \dots = 19\ 000$

h) $5\ 500 \div 2 = \dots$

Total ____ /8

Question 29

- a) $2\,800 + 82\,000 = \dots\dots\dots$
- b) $10\,000 - 8\,888 = \dots\dots\dots$
- c) $45 \times 22 = \dots\dots\dots$
- d) $84 \div 4 = \dots\dots\dots$
- e) $98\,200 + 1\,550 = \dots\dots\dots$
- f) $26\,800 - 3\,850 = \dots\dots\dots$
- g) $45 \times 9 = \dots\dots\dots$
- h) $420 \div 420 = \dots\dots\dots$

Total ____ /8

Question 30

- a) $\dots\dots\dots \times 6 = 0$
- b) $13 \times \dots\dots\dots = 195$
- c) $\dots\dots\dots \times 19 = 1\,900$
- d) $\dots\dots\dots \times 12 = 156$
- e) $100 \times 0 \times 10 = \dots\dots\dots$
- f) $3\,000 - 2\,555 = \dots\dots\dots$
- g) $160 \div 40 = \dots\dots\dots$
- h) $\dots\dots\dots \div 7 = 12 \text{ r } 2$

Total ____ /8

Question 31

- a) $14 \text{ kg} + 15\,350 \text{ g}$
 $= \dots\dots\dots \text{ kg } \dots\dots\dots \text{ g}$
- b) $10\,000 - 8\,777 = \dots\dots\dots$
- c) $48 \times 12 = \dots\dots\dots$
- d) $8\,000 \text{ g of } 16 \text{ kg}$
 $= \dots\dots\dots$
- e) $900 \div 7 = \dots\dots\dots$
- f) $90\,360 - 370 = \dots\dots\dots$
- g) $400 \times 25 = \dots\dots\dots$
- h) $420 \text{ kg} \div 7 = \dots\dots\dots$

Total ____ /8

Question 32

- a) $15 + 150 + 1\,500 + 15\,000$
 $= \dots\dots\dots$
- b) $70\,000 - 7\,000 - 700 = \dots\dots\dots$
- c) $100 \times 16 \times 10 = \dots\dots\dots$
- d) $400 \div (80 \div 10)$
 $= \dots\dots\dots$
- e) $4\,585 - (9\,000 - 4\,500)$
 $= \dots\dots\dots$
- f) $5\,000 \div 1 = \dots\dots\dots$
- g) $6\,500 \times \dots\dots\dots = 13\,000$
- h) $6550 \div 2 = \dots\dots\dots$

Total ____ /8