

Grade 4 | Mental Maths | Term 3

Answers

Question 1

- a) $1\text{ l} = 1000\text{ ml}$ ✓
- b) $\frac{1}{2}\text{ l} = 500\text{ ml}$ ✓
- c) $2\text{ l } 30\text{ ml} = 2\text{ 030 ml}$ ✓
- d) $1\frac{1}{4}\text{ l} = 1250\text{ ml}$ ✓
- e) $1\text{ l} - 300\text{ ml} = 700\text{ ml}$ ✓
- f) $1\frac{1}{2}\text{ l} + 600\text{ ml} = 2\text{ l } 100\text{ ml}$ ✓
- g) $60\text{ l} \div 4 = 15\text{ l}$ ✓
- h) $1\frac{1}{4}\text{ l} - 400\text{ ml} = 850\text{ ml}$ ✓

Total 8 / 8

Question 3

- a) 1 whole = 3 thirds ✓
- b) 1 half = 2 quarters ✓
- c) 2 fifths + 2 fifths = 4 fifths ✓
- d) 5 sixths - 1 sixth = 4 sixths ✓
- e) 1 half of $6\text{ l} = 3\text{ l}$ ✓
- f) 1 third of $24\text{ l} = 8\text{ l}$ ✓
- g) 1 quarter = 2 eighths ✓
- h) 1 fifth of 60 = 12 ✓

Total 8 / 8

Question 2

- a) $250\text{ ml} \div 5 = 50\text{ ml}$ ✓
- b) $\frac{1}{2}\text{ l} \div 2 = 250\text{ ml}$ ✓
- c) $8\text{ l } 8\text{ ml} = 8\text{ 008 ml}$ ✓
- d) $\frac{1}{4}\text{ l} + \frac{1}{4}\text{ l} = 500\text{ ml}$ ✓
- e) $2\text{ l} \times 18 = 36\text{ l}$ ✓
- f) $5\text{ l } 400\text{ ml} \times 2 = 10\text{ l } 800\text{ ml}$ ✓
- g) $8\text{ l } 900\text{ ml} \div 2 = 4\text{ l } 450\text{ ml}$ ✓
- h) $2\text{ l} - 250\text{ ml} = 1\frac{3}{4}\text{ l}$ ✓

Total 8 / 8

Question 4

- a) $\frac{1}{2} = \frac{3}{6}$ ✓
- b) $\frac{6}{8} = \frac{3}{4}$ ✓
- c) $\frac{1}{2} + \frac{1}{2} = \frac{2}{2} = 1\text{ whole}$ ✓
- d) $\frac{1}{7} + \frac{1}{7} + \frac{1}{7} = \frac{3}{7}$ ✓
- e) $1 - \frac{5}{8} = \frac{3}{8}$ ✓
- f) $\frac{1}{2}$ of $3\text{ l} = 1\text{ 500 ml}$ ✓
- g) $\frac{1}{3}$ of $600\text{ ml} = 200\text{ ml}$ ✓
- *h) $\frac{2}{3}$ of $600\text{ ml} = 400\text{ ml}$ ✓

Total 8 / 8

Question 5

- a) $7\ 000 + 40 = 7\ 040$ ✓
- b) $6\ 000 + 900 = 6\ 900$ ✓
- c) $200 + 40 + 60 = 300$ ✓
- d) $1\ 000 + 15 = 1\ 015$ ✓
- e) $300 + 4000 = 4\ 300$ ✓
- f) $(3 \times 10) + (8 \times 100) = 830$ ✓
- g) $(9 \times 1000) + (2 \times 1) = 9\ 002$ ✓
- h) $(7 \times 100) + (3 \times 100) = 1\ 000$ ✓

Total 8 / 8

Question 7

Round off to the nearest 10:

- a) $53 \approx 50$ ✓
- b) $219 \approx 220$ ✓
- c) $3\ 495 \approx 3\ 500$ ✓

Round off to the nearest 100:

- a) $87 \approx 100$ ✓
- b) $239 \approx 200$ ✓
- c) $6\ 670 \approx 6\ 700$ ✓

Total 6 / 6

Question 6

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

- a) $6\ 689 < 6\ 698$ ✓
- b) $230 = 23 \text{ tens} < 2\ 300$ ✓
- c) $7\ 246 \times 1 < 7\ 246 + 1$ ✓
- d) $2000 + 60 < 6000 + 20$ ✓
- e) $5\ 300 > (5 \times 1000) + (3 \times 10)$ ✓
- f) $\frac{1}{2}$ of $3\ 000 = 1\ 500$ ✓
- g) $\frac{1}{3}$ of $45 = 15 < \frac{1}{4}$ of $64 = 16$ ✓

Total 7 / 7

Question 8

Round off to the nearest 1000:

- a) $1\ 256 \approx 1\ 000$ ✓
- b) $5\ 629 \approx 6\ 000$ ✓
- c) $9\ 199 \approx 9\ 000$ ✓

Complete:

Jabu has eaten 2 of his 8 apples.

- a) Fraction of apples eaten = $\frac{2}{8} = \frac{1}{4}$
- b) Fraction of apples left = $\frac{6}{8} = \frac{3}{4}$

Total 5 / 5

Question 9

- a) $150 + 40 = 190$ ✓
- b) $150 + 300 = 450$ ✓
- c) $150 + 150 = 300$ ✓
- d) $150 + 15 = 165$ ✓
- e) $150 + 2\ 000 = 2\ 150$ ✓
- f) $1\ 500 + 600 = 2\ 100$ ✓
- g) $1\ 500 + 150 = 1\ 650$ ✓
- h) $1\ 500 + 2\ 500 = 4\ 000$ ✓

Total 8 / 8**Question 10**

- a) $8 + 9 = 17$ ✓
- b) $23 + 7 = 30$ ✓
- c) $45 + 17 = 62$ ✓ [62 - 45 = 17]
- d) $60 + 70 = 130$ ✓
- e) $25 + 35 = 60$ ✓
- f) $150 + 47 = 197$ ✓
- g) $400 + 800 = 1\ 200$ ✓
- h) $3\ 550 + 450 = 4\ 000$ ✓

Total 8 / 8**Question 11**

- a) $780 - 50 = 730$ ✓
- b) $780 - 300 = 480$ ✓
- c) $780 - 180 = 600$ ✓
- d) $780 - 55 = 725$ ✓
- e) $7\ 800 - 750 = 7\ 050$ ✓
- f) $7\ 800 - 5\ 000 = 2\ 800$ ✓
- g) $7\ 800 - 900 = 6\ 900$ ✓
- h) $7\ 800 - 2\ 450 = 5\ 350$ ✓

Total 8 / 8**Question 12**

- a) $12 - 3 = 9$ ✓
- b) $25 - 12 = 13$ ✓
- c) $96 - 37 = 59$ ✓ [96 - 59 = 37]
- d) $200 - 40 = 160$ ✓
- e) $350 - 70 = 280$ ✓
- f) $952 - 432 = 520$ ✓
- g) $1\ 000 - 250 = 750$ ✓
- h) $7\ 850 - 2\ 050 = 5\ 800$ ✓

Total 8 / 8

Question 13

- a) $15 + 15 + 15 = 45$ ✓
- b) $40 + 40 + 40 = 120$ ✓
- c) $40 + 50 + 60 = 150$ ✓
- d) $7 + 9 + 3 + 10 = 29$ ✓
- e) $12 + 32 + 29 = 73$ ✓
- f) $300 + 400 + 500 = 1200$ ✓
- g) $250 + 520 + 180 = 950$ ✓
- h) $408 + 204 + 804 = 1416$ ✓

Total 8 / 8

Question 14

- a) $18 - 5 - 3 = 10$ ✓
- b) $25 - 7 - 5 = 13$ ✓
- c) $92 - 12 - 8 = 72$ ✓
- d) $80 - 20 - 30 = 30$ ✓
- e) $100 - 15 - 25 = 60$ ✓
- f) $130 - 70 - 60 = 0$ ✓
- g) $800 - 200 - 130 = 470$ ✓
- h) $1\ 000 - 120 - 250 = 630$ ✓

Total 8 / 8

Question 15

- a) $8 \rightarrow \times 2 \rightarrow 16 \rightarrow + 4 \rightarrow 20$ ✓
- b) $5 \rightarrow \times 3 \rightarrow 15 \rightarrow + 5 \rightarrow 20$ ✓
- c) $7 \rightarrow + 3 \rightarrow 10 \rightarrow \times 10 \rightarrow 100$ ✓
- d) $9 \rightarrow \times 5 \rightarrow 45 \rightarrow - 6 \rightarrow 39$ ✓
- e) $20 \rightarrow \div 2 \rightarrow 10 \rightarrow \div 2 \rightarrow 5$ ✓
- f) $60 \rightarrow \times 5 \rightarrow 300 \rightarrow \div 3 \rightarrow 100$ ✓
- g) $20 \rightarrow - 6 \rightarrow 14 \rightarrow \times 3 \rightarrow 42$ ✓
- h) $15 \rightarrow \times 4 \rightarrow 60 \rightarrow - 12 \rightarrow 48$ ✓

Total 8 / 8

Question 16

- a) $2 \rightarrow \times 3 \rightarrow 6 \rightarrow + 10 \rightarrow 16$ ✓
- b) $5 \rightarrow \times 2 \rightarrow 10 \rightarrow \times 17 \rightarrow 170$ ✓
- c) $8 \rightarrow + 4 \rightarrow 12 \rightarrow \times 11 \rightarrow 132$ ✓
- d) $6 \rightarrow \times 5 \rightarrow 30 \rightarrow - 9 \rightarrow 21$ ✓
- e) $23 \rightarrow - 6 \rightarrow 17 \rightarrow \times 20 \rightarrow 340$ ✓
- f) $13 \rightarrow + 12 \rightarrow 25 \rightarrow \times 4 \rightarrow 100$ ✓
- g) $13 \rightarrow \times 3 \rightarrow 39 \rightarrow - 15 \rightarrow 24$ ✓
- h) $15 \rightarrow \times 5 \rightarrow 75 \rightarrow \times 2 \rightarrow 150$ ✓

Total 8 / 8

Question 17

- a) $7 \times 3 = 21$ ✓
- b) $8 \times 6 = 48$ ✓
- c) $5 \times 10 \times 6 = 300$ ✓
- d) $2 \times 2 \times 2 = 8$ ✓
- e) $12 \times 3 = 36$ ✓
- f) $13 \times 7 \times 0 = 0$ ✓
- g) $25 \times 1 \times 2 = 50$ ✓
- h) $37 \times 10 \times 10 = 3\ 700$ ✓

Total 8 / 8

Question 18

- a) $12 \times 1 = 12$ ✓
- b) $12 \times 4 = 48$ ✓
- c) $12 \times 12 = 144$ ✓
- d) $12 \times 20 = 240$ ✓
- e) $12 \times 2 \times 2 = 48$ ✓
- f) $12 \times 5 = 60$ ✓
- g) $120 \times 3 = 360$ ✓
- h) $120 \times 7 = 840$ ✓

Total 8 / 8

Question 19

True or False?

If False, give the correct answer

- a) $45 + 55 = 110$ False. 100 ✓
- b) $2569 - 1 = 2568$ True ✓
- c) $50 \times 4 = 200$ True ✓
- d) $12 - (5 - 3) = 4$ False. 10. ✓
- e) $18 \times 9 = 189$ False. 162. ✓
- f) $1200 - 10 = 120$ False. 1190 ✓
- g) $169 = 9 + 100 + 60$ True ✓

Total 7 / 7

Question 20

- a) $1\ 145 + 2\ 329 = 3\ 474$ ✓
- b) $7\ 799 - 2\ 255 = 5\ 544$ ✓
- c) $24 \times 42 = 1\ 008$ ✓
- d) $42 \div 7 = 6$ ✓
- e) $4\ 545 + 1\ 291 = 5\ 836$ ✓
- f) $5\ 000 - 1\ 250 = 3\ 750$ ✓
- g) $90 \times 45 = 4\ 050$ ✓
- h) $90 \div 8 = 11$ rem 2 ✓

Total 8 / 8

Question 21

- a) $180 + 50 = 230$ ✓
- b) $960 - 800 = 160$ ✓
- c) $180 + 180 = 360$ ✓
- d) $960 - 55 = 905$ ✓
- e) $180 + 2\ 000 = 2\ 180$ ✓
- f) $9\ 600 - 6\ 000 = 3\ 600$ ✓
- g) $1\ 800 + 180 = 1\ 980$ ✓
- h) $9\ 600 - 2\ 350 = 7\ 250$ ✓

Total 8 / 8**Question 22**

- a) $120 - 111 = 9$ ✓
- b) $43 + 9 = 52$ ✓
- c) $199 - 37 = 162$ ✓
- d) $90 + 40 = 130$ ✓
- e) $300 - 170 = 130$ ✓
- f) $250 + 47 = 297$ ✓
- g) $1\ 000 - 750 = 250$ ✓
- h) $8\ 850 + 550 = 9\ 400$ ✓

Total 8 / 8**Question 23**

- a) $960 - 50 = 910$ ✓
- b) $180 + 300 = 480$ ✓
- c) $960 - 90 = 870$ ✓
- d) $180 + 18 = 198$ ✓
- e) $9\ 600 - 960 = 8\ 640$ ✓
- f) $1\ 800 + 700 = 2\ 500$ ✓
- g) $9\ 600 - 900 = 8\ 700$ ✓
- h) $1\ 800 + 2\ 800 = 4\ 600$ ✓

Total 8 / 8**Question 24**

- a) $18 + 20 = 38$ ✓
- b) $39 - 13 = 26$ ✓
- c) $45 + 25 = 70$ ✓
- d) $2\ 000 - 30 = 1\ 970$ ✓
- e) $35 + 35 = 70$ ✓
- f) $9\ 500 - 432 = 9\ 068$ ✓
- g) $800 + 800 = 1\ 600$ ✓
- h) $7\ 610 - 2\ 500 = 5\ 110$ ✓

Total 8 / 8

Question 25

- a) $18 \div 1 = 18$ ✓
- b) $70 \times 6 = 420$ ✓
- c) $18 \div 18 = 1$ ✓
- d) $4 \times 4 \times 4 = 64$ ✓
- e) $18 \div 4 = 4 \text{ r } 2$ ✓
- f) $13 \times 11 \times 0 = 0$ ✓
- g) $180 \div 3 = 60$ ✓
- h) $87 \times 10 \times 0 = 0$ ✓

Total 8 / 8

Question 26

- a) $17 \times 3 = 51$ ✓
- b) $16 \div 4 = 4$ ✓
- c) $50 \times 10 \times 6 = 3\,000$ ✓
- d) $180 \div 20 = 9$ ✓
- e) $12 \times 8 = 96$ ✓
- *f) $180 \div 5 = 36$ ✓
- g) $42 \times 1 \times 2 = 84$ ✓
- h) $180 \div 10 = 18$ ✓

Total 8 / 8

Question 27

True or False?

If False, give the correct answer

- a) $45 + 55 = 100$ True. ✓
- b) $3\,005 - 6 = 2\,009$ False. 2 999 ✓
- c) $60 \times 7 = 420$ True ✓
- d) $19 - (10 - 6) = 3$ False. 15. ✓
- e) $19 \times 9 = 171$ True. ✓
- f) $1\,800 - 10 = 170$ False. 1 790 ✓
- g) $589 = 8 \text{ tens} + 500 + 9 \text{ units}$
True ✓

Total 7 / 7

Question 28

- a) $1\,250 + 2\,250 = 3\,500$ ✓
- b) $48 \div 8 = 6$ ✓
- c) $31 \times 13 = 403$ ✓
- d) $7\,800 - 2\,049 = 5\,751$ ✓
- e) $101 \div 9 = 11 \text{ rem } 2$ ✓
- f) $9\,000 - 1\,250 = 7\,750$ ✓
- g) $15 \times 15 = 225$ ✓
- h) $7\,656 + 1\,220 = 8\,876$ ✓

Total 8 / 8

Question 29

- a) $5 \times 5 = 25$ ✓
- b) $6 \times 6 = 36$ ✓
- c) $7 \times 10 \times 7 = 490$ ✓
- d) $11 \times 20 = 220$ ✓
- e) $12 \times 12 = 144$ ✓
- f) $13 \times 0 \times 0 = 0$ ✓
- g) $11 \div 11 = 1$ ✓
- h) $111 - 4 = 107$ ✓

Total 8 / 8

Question 30

- a) $11 \times 1 = 11$ ✓
- b) $9 \times 10 \times 10 = 900$ ✓
- c) $11 \times 12 = 132$ ✓
- d) $2 \times 1 \times 2 = 4$ ✓
- e) $11 \times 2 \times 2 = 44$ ✓
- f) $8 \times 8 \times 2 = 64 \times 2 = 128$ ✓
- g) $111 \times 0 = 0$ ✓
- h) $1\ 110 - 10 = 1\ 100$ ✓

Total 8 / 8

Question 31

- a) $145 + 55 = 200$ ✓
- b) $2\ 570 - 1 = 2\ 569$ ✓
- c) $70 \times 20 = 1\ 400$ ✓
- d) $20 - (20 - 3) = 3$ ✓
- e) $15 \times 9 = 135$ ✓
- f) $(1 \times 1\ 000) + 80 \text{ tens} + 15 \text{ units}$
 $= 1\ 000 + 800 + 15 = 1\ 815$ ✓
- g) $8\ 897 = 8\ 000 + 700 + 197$ ✓
- h) $200 + 60 + 23 = 283$ ✓

Total 8 / 8

Question 32

- a) $75 \div 25 = 3$ ✓
- b) $8\ 000 - 2\ 255 = 5\ 745$ ✓
- c) $21 \times 12 = 252$ ✓
- d) $40 \div 7 = 5 \text{ r } 5$ ✓
- e) $785 + 215 = 1\ 000$ ✓
- f) $9\ 000 - 1\ 250 = 7\ 750$ ✓
- g) $10 \times 10 \times 10 = 1\ 000$ ✓
- h) $100 \div 8 = 12 \text{ rem } 4$ ✓

Total 8 / 8