

Grade 3 | Mental Maths | Term 3

Answers

Question 1

Write down the value of each underlined digit.

a) 25 20 ✓

b) 83 3 ✓

c) 96 90 ✓

Write in short form:

a) 8U + 4T = 48 ✓

b) 40 + 15 = 55 ✓

b) 30 + 7 + 40 = 70 + 7 = 77 ✓

Total 6 /6

Question 2

a) $8 + 2 = 10$ ✓

b) $28 + 2 = 30$ ✓

c) $3 + 7 = 10$ ✓

d) $43 + 7 = 50$ ✓

e) $6 + 5 = 11$ ✓

f) $16 + 5 = 21$ ✓

g) $9 + 5 = 14$ ✓

h) $59 + 5 = 64$ ✓

Total 8 /8

Question 3

Fill in the symbol =, > or <.

a) 73 > 37 ✓

b) 19 < 90 ✓

c) $54 = 50 + 4$ > $40 + 5 = 45$ ✓

d) $11 = 8 + 3 = 3 + 8 = 11$ ✓

e) $24 = 18 + 6$ < 25 ✓

f) $47 = 17 + 30 = 40 + 7$ ✓

g) 73 > $65 + 7 = 72$ ✓

Total 7 /7

Question 4

a) $20 - 2 = 18$ ✓

b) $30 - 7 = 23$ ✓

c) $50 - 5 = 45$ ✓

d) $90 - 6 = 84$ ✓

e) $21 - 9 = 12$ ✓

f) $44 - 5 = 39$ ✓

g) $63 - 7 = 56$ ✓

h) $77 - 9 = 68$ ✓

Total 8 /8

Question 5

Write down the next 3 numbers.

- a) 13 ; 15 ; 17 ; **19 ; 21 ; 23.** [+2]
- b) 20 ; 17 ; 14 ; **11 ; 8 ; 5.** [-3]
- c) 30 ; 33 ; 36 ; **39 ; 42 ; 45.** [+3]
- d) 90 ; 88 ; 86 ; **84 ; 82 ; 80.** [-2]
- e) 90 ; 85 ; 80 ; **75 ; 70 ; 65.** [-5]
- f) 64 ; 68 ; 72 ; **76 ; 80 ; 84.** [+4]
- g) 64 ; 69 ; 74 ; **79 ; 84 ; 89.** [+5]

Total **7** /7

Question 6

- a) 2 + 8 + 6 = **10 + 6 = 16**
- b) 9 + 8 + 1 = **10 + 8 = 18**
- c) 5 + 5 + 5 = **15**
- d) 5 + 12 + 5 = **10 + 12 = 22**
- e) 15 + 5 + 16 = **20 + 16 = 36**
- f) 12 + 18 + 13 = **30 + 13 = 43**
- g) 9 + 8 + 6 = **17 + 6 = 23**
- h) 19 + 18 + 16 = **37 + 16 = 53**

Total **8** /8

Question 7

Round off to the nearest 10:

- a) 23 \approx **20** ✓
- b) 39 \approx **40** ✓
- c) 45 \approx **50** ✓
- d) 61 \approx **60** ✓
- e) 77 \approx **80** ✓
- f) 86 \approx **90** ✓
- g) 92 \approx **90** ✓

Total **7** /7

Question 8

Write down the value of each underlined digit.

- a) 135 **30** ✓
- b) 564 **4** ✓
- c) 709 **700** ✓

Write in expanded form:

- a) 183 = 100 + 80 + 3
- b) 245 = **200 + 40 + 5** ✓
- c) 767 = **700 + 60 + 7** ✓

Total **6** /6

Question 9

What is the position (H, T or U) of each underlined digit?

a) $\underline{1}83$ T ✓

b) $\underline{3}81$ H ✓

c) $83\underline{1}$ U ✓

Tick the even numbers:

104 ✓ 225 487 552 ✓

Tick the odd numbers:

200 405 ✓ 261 ✓ 396

Total 7 / 7

Question 10

Write in short form:

a) $5H + \underline{7}U + 3T = \underline{537}$ ✓

b) $3T + 7H + 5U = \underline{735}$ ✓

b) $200 + 5 + 10 = \underline{215}$ ✓

e) $600 + 80 + 20 = \overset{600}{+} \overset{100}{+} = \underline{700}$ ✓

f) $300 + 18 = \underline{318}$ ✓

g) $\underline{9} + 50 + 500 + \underline{6} = \overset{550}{+} \overset{15}{+} = \underline{565}$ ✓

h) $6H + \underline{7}T + 8U + \underline{2}T = \underline{698}$ ✓

Total 7 / 7

Question 11

Write down the next 2 numbers.

a) 102 ; 104 ; 106 ; $\underline{108}$; $\underline{110}$. ✓ ^[+2]

b) 120 ; 123 ; 126 ; $\underline{129}$; $\underline{132}$. ✓ ^[+3]

c) 120 ; 115 ; 110 ; $\underline{105}$; $\underline{100}$. ✓ ^[-5]

d) 200 ; 220 ; 240 ; $\underline{260}$; $\underline{280}$. ✓ ^[+20]

e) 300 ; 290 ; 280 ; $\underline{270}$; $\underline{260}$. ✓ ^[-10]

f) 450 ; 254 ; 258 ; $\underline{262}$; $\underline{266}$. ✓ ^[+4]

g) 450 ; 447 ; 444 ; $\underline{441}$; $\underline{438}$. ✓ ^[-3]

Total 7 / 7

Question 12

a) $40 + 20 = \underline{60}$ ✓

b) $30 + \underline{10} = 40$ ✓

c) $\underline{60} + 30 = 90$ ✓

d) $150 + 30 = \underline{180}$ ✓

e) $280 + \underline{20} = 300$ ✓

f) $\underline{230} + 40 = 270$ ✓

g) $250 + 150 = \underline{400}$ ✓

h) $360 + \underline{140} = 500$ ✓

Total 8 / 8

Question 13

- a) $50 - 20 = 30$ ✓
- b) $80 - 10 = 70$ ✓
- c) $90 - 40 = 50$ ✓
- d) $160 - 30 = 130$ ✓
- e) $260 - 150 = 110$ ✓
- f) $390 - 40 = 350$ ✓
- g) $770 - 330 = 440$ ✓
- h) $980 - 360 = 620$ ✓

Total 8 / 8

Question 14

Round off to the nearest 10:

- a) $128 \approx 130$ ✓
- b) $209 \approx 210$ ✓
- c) $339 \approx 340$ ✓
- d) $504 \approx 500$ ✓
- e) $745 \approx 750$ ✓
- f) $887 \approx 890$ ✓
- g) $963 \approx 960$ ✓

Total 7 / 7

Question 15

- a) $190 + 30 = 220$ ✓
- b) $280 + 40 = 320$ ✓
- c) $350 + 60 = 410$ ✓
- d) $570 + 60 = 630$ ✓
- e) $320 - 30 = 290$ ✓
- f) $250 - 70 = 180$ ✓
- g) $440 - 60 = 380$ ✓
- h) $630 - 80 = 550$ ✓

Total 8 / 8

Question 16

- a) $\underline{290} + 15 + \underline{10} = 315$ ✓
- b) $\underline{80} + 25 + \underline{120} = 225$ ✓
- c) $\underline{50} + \underline{150} + 155 = 355$ ✓
- d) $36 + \underline{360} + \underline{40} = 436$ ✓
- e) $250 - 50 - 5 = 200 - 5 = 195$ ✓
- f) $120 - 60 - 15 = 60 - 15 = 45$ ✓
- g) $300 - 130 - 13 = 170 - 13 = 157$ ✓
- h) $450 - 60 - 95 = 390 - 95 = 295$ ✓

Total 8 / 8

Question 17

- a) $4 + 4 + 4 = 12$ ✓
- b) $7 + 7 = 14$ ✓
- c) $2 + 2 + 2 + 2 + 2 + 2 + 2 = 14$ ✓
- d) $5 + 5 + 5 + 5 = 20$ ✓
- e) 2 eights = $2 \times 8 = 16$ ✓
- f) 3 sixes = $3 \times 6 = 18$ ✓
- g) 5 sevens = $5 \times 7 = 35$ ✓
- h) 9 fours = $9 \times 4 = 36$ ✓

Total 8 / 8

Question 18

- a) $3 \times 2 = 6$ ✓
- b) $5 \times 3 = 15$ ✓
- c) $4 \times 10 = 4$ ✓
- d) $3 \times 7 = 21$ ✓
- e) $6 \times 6 = 36$ ✓
- f) $8 \times 4 = 32$ ✓
- g) $6 \times 5 = 30$ ✓
- h) $7 \times 8 = 56$ ✓

Total 8 / 8

Question 19

- a) $18 \div 2 = 9$ ✓
- b) $24 \div 3 = 8$ ✓
- c) $30 \div 6 = 5$ ✓
- d) $42 \div 7 = 6$ ✓
- e) $9 \div 2 = 4$ rem 1 ✓
- f) $17 \div 3 = 5$ rem 2 ✓
- g) $30 \div 4 = 7$ rem 2 ✓
- h) $44 \div 8 = 5$ rem 4 ✓

Total 8 / 8

Question 20

True or False?

If false, give the correct answer.

- a) $6 + 6 = 2 \times 6$ True. ✓
- b) $4 \times 5 = 45$ False. 20. ✓
- c) Double 19 = 39 False. 38. ✓
- d) $20 \div 4 = 5 \times 1 = 5$ True ✓
- e) $30 \times 2 = 302$ False. 60. ✓
- f) $80 \div 5 =$ sixteen True ✓
- g) Half of 35 = $13\frac{1}{2}$ False. $17\frac{1}{2}$. ✓

Total 7 / 7

Question 21

Write the number symbol:

- a) 1 half = $\frac{1}{2}$ ✓
 b) 3 quarters = $\frac{3}{4}$ ✓
 c) 7 eighths = $\frac{7}{8}$ ✓

Fill in >, < or =:

- a) 1 half > 1 third ✓
 b) 2 fifths < $\frac{4}{5}$ ✓
 c) $\frac{1}{5}$ < 1 quarter ✓
 d) $\frac{1}{2}$ = $\frac{2}{4}$ ✓

Total 7 / 7

Question 22

- a) 1 third of 12 = $12 \div 3 = 4$ ✓
 a) 1 half of 30 = $30 \div 2 = 15$ ✓
 b) 1 quarter of 40 = $40 \div 4 = 10$ ✓
 c) 1 fifth of 60 = $60 \div 5 = 12$ ✓
 d) $\frac{1}{3}$ of 6 = $6 \div 3 = 2$ ✓
 f) $\frac{1}{5}$ of 25 = $25 \div 5 = 5$ ✓
 g) $\frac{1}{6}$ of 42 = $42 \div 6 = 7$ ✓
 h) $\frac{1}{8}$ of 88 = $88 \div 8 = 11$ ✓

Total 8 / 8

Question 23

What fraction is:

- a) 3 hours of 6 hours? $\frac{3h}{6h} = \frac{1}{2}$ ✓
 b) 2 kg of 8 kg? $\frac{2kg}{8kg} = \frac{1}{4}$ ✓
 c) R5 of R10? $\frac{R5}{R10} = \frac{1}{2}$ ✓
 d) 4 km of 6 km? $\frac{4km}{6km} = \frac{2}{3}$ ✓

Complete: Eight pens are shared equally amongst 4 girls. What fraction of the pens does each girl get? *2 pens each*

$$\frac{2}{8} = \frac{1}{4} \text{ of the pens } \checkmark$$

Total 4 / 4

Question 24

- a) $50c + 50c = R1$ ✓ [100c]
 b) $R2 - 20c = R1,80$ ✓
 c) $R1,80 + R2,50 = R4,30$ ✓ [R3 + R1,30]
 d) $R50 + 5c = R50,05$ ✓
 e) $R10 - R3,50 = R6,50$ ✓
 f) $R2,50 \times 3 = R7,50$ ✓ [R6 + R1,30]
 g) $80c \div 4 = R0,20$ ✓ [20c]
 h) $R27,00 \div 2 = R13,50$ ✓

Total 8 / 8

Question 25

- a) $1\text{m} = 100\text{ cm}$ ✓
- b) $4\text{m } 7\text{cm} = 407\text{ cm}$ ✓
- c) $500\text{ cm} = 5\text{ m}$ ✓
- d) $2\frac{1}{2}\text{ m} = 250\text{ cm}$ ✓
- e) $4 \times 20\text{cm} = 80\text{ cm}$ ✓
- f) $1\text{m} - 40\text{cm} = 60\text{ cm}$ ✓
- g) $2\text{m } 30\text{cm} \times 3 = 6\text{m } 9\text{ cm}$ ✓
- h) $12\text{m } 60\text{cm} \div 4 = 3\text{m } 15\text{ cm}$ ✓

Total 8 / 8

Question 26

The number of minutes from 3.50 p.m. until:

- a) 4 p.m. is 10 minutes ✓
- b) 4.05 p.m. is 15 minutes ✓
- c) 4.40 p.m. is 50 minutes ✓

The number of hours/minutes from 8.15 a.m. until:

- a) 9 a.m. is 45 minutes ✓
- b) 9.15 a.m. is 1 hour ✓
- c) 10 a.m. is 1h 45 minutes ✓

Total 6 / 6

Question 27

- a) $R50 + R7 + R8 = R65$ ✓
- b) $R6,50 \div 2 = R3,25$ ✓
- c) $\frac{1}{5}$ of $R30 = R30 \div 5 = R6$ ✓
- d) $\frac{1}{2}$ of 1 metre = 50 cm ✓
- e) Double 35 cm = 70 cm ✓
- f) $R50 - R15 = R35$
- g) $3 \times 12\text{cm} = 36\text{cm}$ ✓
- h) $\frac{1}{8}$ of 40c = 5c ✓

Total 8 / 8

Question 28

True or False?

If False, give the correct answer

- a) $90 \div 2 = 45$ True ✓
- b) $8 + 8 + 8 = 28$ False. 24. ✓
- c) $\frac{1}{3}$ of 45 = 14 False. 15. ✓
- d) 1 year = 12 months True. ✓
- e) $7 \times 0 = 70$ False. 0. ✓
- f) June has 30 days. True. ✓
- g) $696 = 9 + 600 + 60$ False. 669 ✓

Total 7 / 7