

Grade 3 | Mental Maths | Term 4

Answers

Question 1

Underline the:

a) tens digit. 832 ✓

b) units digit. 156 ✓

c) hundreds digit. 757 ✓

Write in short form:

a) 5H + 2U + 4T = 542 ✓

b) 400 + 80 + 10 = 490 ✓

b) 80 + 7 + 800 = 887 ✓

Total 6 /6

Question 2

a) $8 + 5 = 13$ ✓

b) $15 + 8 = 23$ ✓

c) $28 + 7 = 35$ ✓

d) $37 + 20 = 57$ ✓

e) $22 + 55 = 77$ ✓

Complete:

Which number is odd?

410 , 643 , 758

Answer: 643 ✓

Total 6 /6

Question 3

a) $10 - 2 - 2 = 6$ ✓

b) $15 - 5 - 7 = 3$ ✓

c) $30 - 1 - 2 = 27$ ✓

d) $50 - 10 - 5 = 35$ ✓

e) $87 - 7 - 20 = 60$ ✓

Complete:

a) The odd numbers between 5 and 10 are 7 and 9. ✓

b) The 3 even numbers just after 18 are 19, 21, 23. ✓

Total 7 /7

Question 4

Fill in the symbol =, > or <.

a) $69 < 96$ ✓

b) $19 = 10 + 9 < 90 + 1 = 91$ ✓

c) $12 = 8 + 4 = 9 + 3 = 12$ ✓

d) $18 + 23 = 23 + 18$ ✓

e) $65 = 80 - 15 > 55$ ✓

Complete:

Which number is made up of 15 tens and 8 units?

$150 + 8 = 158$ ✓

Total 6 /6

Question 5

Write down the next 3 numbers.

- a) 13 ; 16 ; 19 ; **22** ; **25** ; **28**. ✓ ^[+3]
- b) 97 ; 87 ; 67 ; **57** ; **47** ; **37**. ✓ ^[-10]
- c) 30 ; 38 ; 46 ; **54** ; **62** ; **70**. ✓ ^[+8]

Write down the next 2 numbers.

- a) 450 ; 455 ; 460 ; **465** ; **470**. ✓ ^[+5]
- b) 450 ; 470 ; 490 ; **510** ; **530**. ✓ ^[+20]
- c) 450 ; 446 ; 442 ; **438** ; **434**. ✓ ^[-4]

Total **6** /6

Question 6

- a) $45 + 25 = \underline{70}$ ✓
- b) $60 - \underline{15} = 45$ ✓
- c) $9 + \underline{8} + 6 = 23$ ✓
- d) $\underline{90} + 40 = 130$ ✓
- e) $202 + 18 = \underline{220}$ ✓
- f) $400 - \underline{20} = 380$ ✓
- g) $\underline{230} + 40 = 270$ ✓
- h) $\underline{585} - 35 = 550$ ✓

Total **8** /8

Question 7

Round off to the nearest 10:

- a) $25 \approx \underline{30}$ ✓
- b) $83 \approx \underline{80}$ ✓
- c) $96 \approx \underline{100}$ ✓
- d) $124 \approx \underline{120}$ ✓
- e) $\underline{497} \approx \underline{500}$ ✓
- f) $754 \approx \underline{750}$ ✓
- g) $906 \approx \underline{910}$ ✓

Total **7** /7

Question 8

Write in expanded form using H, T, U.

- a) $103 = \underline{1}H + \underline{3}U$ ✓
- b) $454 = \underline{4}H + \underline{5}T + \underline{4}U$ ✓
- c) $980 = \underline{9}H + \underline{8}T$ ✓

Write down the value of each underlined digit.

- a) $\underline{3}95$ **90** ✓
- b) $\underline{6}69$ **600** ✓
- c) $1\underline{1}1$ **1** ✓

Total **6** /6

Question 9

- a) $8 + 8 + 8 = 24$ ✓
- b) 3 fives = $3 \times 5 = 15$ ✓
- c) $4 + 4 + 4 + 4 + 4 + 4 + 4 = 28$ ✓
- d) $5 \times 6 = 30$ ✓
- e) $2 \times 15 = 30$ ✓
- f) 3 sevens = $3 \times 7 = 21$ ✓
- g) $12 \times 6 = 72$ ✓
- h) 9 sixes = $9 \times 6 = 54$ ✓

Total 8 / 8

Question 10

- a) $3 \times 3 = 9$ ✓
- b) $9 + 9 + 9 + 9 = 36$ ✓
- c) $2 \times 3 \times 10 = 6 \times 10 = 60$ ✓
- d) $7 \times 5 = 35$ ✓
- e) $12 + 12 + 12 + 12 = 48$ ✓
- f) $8 \times 6 = 48$ ✓
- g) 5 eights = $5 \times 8 = 40$ ✓
- h) $9 \times 9 = 81$ ✓

Total 8 / 8

Question 11

- a) $18 \div 3 = 6$ ✓
- b) $25 \div 5 = 5$ ✓
- c) $32 \div 8 = 4$ ✓
- d) $56 \div 7 = 8$ ✓
- e) Half of 9 = $4\frac{1}{2}$ ✓
- f) Half of 76 = 38 ✓
- g) From which number can 9 be subtracted 7 times?
 63 ✓

Total 7 / 7

Question 12

True or False?

If false, give the correct answer.

- a) $9 + 9 + 9 = 3 \times 9$ True. ✓
- b) $5 \times 12 = 60$ True. ✓
- c) Double 9 = 99 False. 18. ✓
- d) $72 \div 3 = 23$ False. 24. ✓
- e) $20 \times 2 \times 2 = 42$ False. 80. ✓
- f) 16 fives = 8 tens True ✓
 $16 \times 5 = 50 + 30 = 80$
- g) $92 \div 4 = 20 + 3$ True. ✓

Total 7 / 7

Question 13

- a) $4 \times \underline{2} = 8$ ✓
- b) $3 \times \underline{4} = 12$ ✓
- c) $7 \times \underline{4} = 28$ ✓
- d) $5 \times \underline{6} = 30$ ✓
- e) $\underline{5} \times 7 = 35$ ✓
- f) $\underline{7} \times 6 = 42$ ✓
- g) $\underline{8} \times 8 = 64$ ✓
- h) $\underline{12} \times 6 = 72$ ✓

Total 8 / 8

Question 14

- a) $9 \div 5 = 1 \text{ rem } 4$ ✓
- b) $20 \div 8 = 2 \text{ rem } 4$ ✓
- c) $32 \div 3 = 10 \text{ rem } 2$ ✓
- d) $55 \div 8 = 6 \text{ rem } 7$ ✓
- e) $90 \div 4 = 22 \text{ rem } 2$ ✓
- f) $\underline{12} \div 5 = 2 \text{ rem } 2$ ✓
- g) $\underline{23} \div 4 = 5 \text{ rem } 3$ ✓
- h) $\underline{40} \div 6 = 6 \text{ rem } 4$ ✓

Total 8 / 8

Question 15

Write the number symbol:

- a) 1 third = $\frac{1}{3}$ ✓
- b) 5 sixths = $\frac{5}{6}$ ✓
- c) 2 ninths = $\frac{2}{9}$ ✓

Fill in >, < or =.

- a) 1 quarter < 1 third ✓
- b) 4 fifths > $\frac{3}{5}$ ✓
- c) $\frac{3}{6} = \frac{1}{2}$ ✓
- d) $\frac{1}{4} > 1 \text{ seventh}$ ✓

Total 7 / 7

Question 16

- a) 1 third of 9 = $9 \div 3 = 3$ ✓
- b) 1 half of 24 = $24 \div 2 = 12$ ✓
- c) 1 quarter of 36 = $36 \div 4 = 9$ ✓
- d) 1 fifth of 70 = $70 \div 5 = 14$ ✓
- e) $\frac{1}{3}$ of 24 = $24 \div 3 = 8$ ✓
- f) $\frac{1}{5}$ of 35 = $35 \div 5 = 7$ ✓
- g) $\frac{1}{6}$ of 66 = $66 \div 6 = 11$ ✓
- h) $\frac{1}{8}$ of 96 = $96 \div 8 = 12$ ✓

Total 8 / 8

Question 17

- a) $85c + 15c = R1$ ✓ [100c]
- b) $R3 - 50c = R2,50$ ✓
- c) $R2,50 + R2,80 = R5,30$ ✓ [R4 + R1,30]
- d) $5c + R20 = R20,05$ ✓
- e) $R20 - R10,50 = R9,50$ ✓
- f) $R5 \div 10 = 50c$ ✓
- g) $R2,50 \times 4 = R10$ ✓ [R8 + R2]
- h) $R93,60 \div 3 = R31,20$ ✓

Total 8 / 8

Question 18

1. Gia bought 5 bread rolls.
They cost R1,20 each.
She spent $R5 + R1 = R6$
- How much change did she get if she paid with R10?
 $R10 - R6 = R4$ ✓
2. Three cucumbers cost R36.
1 cucumber costs $R36 \div 3 = R12$
- a) The cost of 5 cucumbers
 $= R12 \times 5 = R60$ ✓
- b) The cost of 15 cucumbers
 $= R60 \times 3 = R180$ ✓

Total 3 / 3

Question 19

1. John has 9 pens.
6 are blue and the rest are black.

What fraction of the pens:

a) are blue? $\frac{6}{9} = \frac{2}{3}$ ✓

b) are black? $\frac{3}{9} = \frac{1}{3}$ ✓

- *2. There are 60 shirts.

$\frac{1}{2}$ of the shirts are large, $\frac{1}{5}$ are medium and the rest are small.

The number of:

a) L shirts = $\frac{1}{2}$ of 60 = **30** ✓

b) M shirts = $\frac{1}{5}$ of 60 = **12** ✓

c) S shirts = $60 - 30 - 12 = 18$ ✓

Total 5 / 5

Question 20

- a) $300 \text{ cm} = 3 \text{ m}$ ✓
- b) $4\text{m } 17\text{cm} = 417 \text{ cm}$ ✓
- c) $1\frac{1}{2} \text{ m} = 150 \text{ cm}$ ✓
- d) $350 \text{ cm} = 3\frac{1}{2} \text{ m}$ ✓
- e) $4 \times 25\text{cm} = 1\text{m}$ ✓ [100cm]
- f) $1\text{m} - 85\text{cm} = 15 \text{ cm}$ ✓
- g) $25\text{m} \div 2 = 12\text{m } 50 \text{ cm}$ ✓ [12½m]
- h) $5\text{m } 15\text{cm} \times 4 = 20 \text{ m } 60 \text{ cm}$ ✓

Total 8 / 8

Question 21

Complete:

- 7 days = 1 week. ✓
- 1 year = 12 months. ✓
- How many days are there in April? 30 days ✓
- How many days are there in December? 31 days ✓
- The month two months after June is August. ✓
- March is the 3rd month of the year. ✓
- The 9th month of the year is September. ✓

Total 7 / 7

Question 23

- 1m - 35cm = 65cm ✓
- 2 thirds = 4 sixths. ✓ $[\frac{2}{3} = \frac{4}{6}]$
- $\frac{1}{5}$ of R20 = R4 ✓
- R12 + R7 + R8 = R27 ✓
- Double 25cm = $\frac{1}{2}$ m = 50cm ✓
- R45 + R15 = three R20 notes ✓ R60
- $\frac{1}{3}$ of 60m = 20m ✓
- 8c + 8c + 8c + 8c + 8c = 40c ✓

Total 8 / 8

Question 22

1. The meeting took $1\frac{1}{4}$ hours.

If it started at 2.30 p.m.
at what time did it end?

$$2.30 \text{ p.m.} + 1\text{h } 15\text{min} = 3.45 \text{ p.m.} \checkmark$$

2. The train leaves at half past 9 in the morning and arrives at its destination at 11 a.m.

How long was the train trip?

$$1\text{h } 30\text{min} \checkmark$$

3. What fraction is:

a) 2 hours of 6 hours? $\frac{2\text{h}}{6\text{h}} = \frac{1}{3} \checkmark$

b) 6 kg of 8 kg? $\frac{6\text{kg}}{8\text{kg}} = \frac{3}{4} \checkmark$

*c) 4m of 12m? $\frac{4\text{m}}{12\text{m}} = \frac{1}{3} \checkmark$

Total 5 / 5

Question 24

True or False?

If false, give the correct answer.

a) $3 + 3 = 33$ False. 6. ✓

b) $15 \times 0 = 150$ False. 0. ✓

c) 12 p.m. is midnight False. ✓
midday.

d) $\frac{1}{8}$ of R80 = R5 + R5 True. ✓
R10 R10

e) Half a year = 6 months. True. ✓

f) $\frac{1}{4}$ h + 20 min = 35 min. True. ✓
 $15\text{min} + 20\text{min} = 35\text{min}$

g) 9 sixes = 96. False. 54 ✓

Total 7 / 7