Year 8 Class 8 questions

Q1

Write as a percentage.

0.95 = [ ] %
95

Q2

18% of the capacity is 144 L.
Find the full capacity.

[ ] L   800

Q3

Decrease 180 L by 35%.

[ ] L   117 L

Q4

SALE ON NOW! 25% OFF THE MARKED PRICE!

Will wants to buy a skateboard marked at
$80.60. How much will he save if he buys
it during the sale?
(*Do not round your answer.*)

$ [ ] $20.15

Q5

What is the final retail price after a 10% GST
is added to $23.50?

$ [ ] $25.85

Q6

Write as a percentage.

3.003 = [ ] %
300.3

Q7

Write as a percentage.

0.0027 = [ ] %
0.27

Q8

Write as a percentage.

$\frac{5}{8}$ = [ ] %
62.5

Q9

37.5% of the time is 225 hours.
Find the full time.

[ ] hours   600

Q10

82.25% of the mass is 1316 kg.
Find the full mass.

[ ] kg   1600

Q11

14.2% of an amount is $355.
Find the full amount.

$ [ ]   2500

Q12

Decrease $200 by 7.5%.

$ [ ] $185

Q13

Decrease $270 by 6.5%.

$ [   ] $252.45

Q14

Decrease $480 by 8.5%.

$ [   ] $439.20

Q15

Finn wants to buy a skateboard marked at $90. The skateboard is discounted by 40%. How much does Finn pay if he buys it during the sale?

$ [   ] $54.00

Q16

Mila wants to buy a djembe marked at $280. The djembe is discounted by 17%. How much does Mila pay if she buys it during the sale?

$ [   ] $232.40

Q17

A price of $297 includes a GST of 10%. Calculate the amount of GST included.

$ [   ] $27

Q18

A price of $820.60 includes a GST of 10%. Calculate the amount of GST included.

$ [   ] $74.60

Q19

21 students in Rosie's class completed their English task on time. If this represents 75% of the class, how many students are in the class?

[   ]   28

Q20

Profits of $165000 were made last year. This was 11% of total revenue. What was the total revenue?

$ [   ]   1500000

Q21

Cassandra has been jogging for 34 minutes. She is 85% of the way through her exercise program. How long is her full program?

[   ] minutes   40

Q22

Profits for 2016 were $1.2 million. Due to some poor financial decisions, profits for 2017 dropped by 94%. What were the 2017 profits?

$ [   ] $72000

Q23

35% of the cargo was lost at sea in a storm. If the original cargo was 4560 tonnes, what was the weight of the cargo on arrival at port?

[   ] t   2964t

Q24

Find the final result if $380 is decreased by 20%, then this amount is decreased by 20%.

$ [   ] $243.20

Q25

A dress is normally priced at $250. The sale price is $175.

What is the discount?

$ [   ] $75.00

What is the percentage discount?

[   ] %   30%

Q26

Blake paid $120 for a pair of shoes which were on sale. He saved $30.

What was the original price?

$ [   ] $150.00

What is the percentage discount?

[   ] %   20%

Q27

A book normally costs $20. If you buy it on sale you can save $5. What is the percentage discount?

[   ] %   25%

Q28

Max performs a service on a car and charges $319 including 10% GST. Find the price excluding GST.

$ [   ] $290

Q29

Nick sells a computer and charges $1342 including 10% GST. Find the price excluding GST.

$ [   ] $1220

Q30

Pete is a wedding photographer. He charges $5775 for a weekend wedding including 10% GST. Find the price excluding GST.

$ [   ] $5250