Year 7 Class 13 questions

Q1

Write as a fraction in its simplest form.

$45\% = \dfrac{\boxed{}}{\boxed{}}$

Q2

Find 30% of 920 metres.

$\boxed{}$ metres

Q3

What percentage is 350 grams of 1 kg?

$\boxed{}$ %

Q4

The three angles of a triangle are in the ratio $3:4:8$.

Find the size of the smallest angle in degrees.

$\boxed{}$

Q5

Which is the best buy?

○ 3 litres of juice for $4.50.

○ 500 mL of juice for $0.80.

Q6

Write as a fraction in its simplest form.

$12.5\% = \dfrac{\boxed{}}{\boxed{}}$

Q7

Write as a fraction in its simplest form.

$6.25\% = \dfrac{\boxed{}}{\boxed{}}$

Q8

Find 20% of 2.5 kg.

$\boxed{}$ grams

Q9

Find 70% of 12.5 metres.

$\boxed{}$ cm

Q10

Write 50 cm as a percentage of 4 metres.

$\boxed{}$ %

Q11

Write 250 grams as a percentage of 2 kg.

$\boxed{}$ %

Q12

Two numbers are in the ratio of $3:7$. Their sum is 80.

Find the smaller number.

$\boxed{}$

Q13

$30 is shared between 3 boys in the ratio 7:3:2.

What is the largest share?

$ ____

Q14

Which is the best buy?

○ 8 vases for $37.20.

○ 3 vases for $14.55.

Q15

Which is the best buy?

○ 250 g of cheese for $16.35.

○ 100 g of cheese for $7.20.

Q16

Write as a fraction in its simplest form.

$14\frac{1}{2}\% = \frac{\boxed{}}{\boxed{}}$

Q17

Write as a fraction in its simplest form.

$87\frac{1}{2}\% = \frac{\boxed{}}{\boxed{}}$

Q18

Write as a fraction in its simplest form.

$6\frac{1}{4}\% = \frac{\boxed{}}{\boxed{}}$

Q19

Find 5% of $125.

$ ____

Q20

Find 8% of $524.

$ ____

Q21

Find 35% of $487.

$ ____

Q22

Jena scored 21 out of 25 on a test. What percentage is this? ____ %

Q23

Vikki has run 11.7 km of the 18 km course. What percentage is this? ____ %

Q24

Ninja Sarah completed 9 obstacles out of 12. What percentage of the course did she complete? ____ %

Q25

$480 is divided between Lewis and Liam in the ratio 7:5.

How much more does Lewis receive than Liam?

$ ____

Q26

A class of 30 students contains boys and girls in the ratio 2:3.

How many more girls are there than boys?

____

Q27

A fruit bowl contains oranges, apples and bananas in the ratio 3:4:2.

How many more apples are than oranges if there are 36 pieces of fruit in the bowl?

☐

Q28

Which is the best buy?

○ 1 L of juice for $15.40.

○ 250 mL of juice for $4.10.

○ 330 mL of juice for $5.28.

○ 2.5 L of juice for $41.15.

Q29

Which is the best buy?

○ 2 L for $2.50.

○ 5 L for $5.50.

○ 8 L for $9.20.

○ 10 L for $10.80.

Q30

Which store has the best buy?

○ Quick Mart: 1 kg of apples for $4.35

○ Corner Shop: 750 g of apples for $3.40

○ Fruit Mart: 500 g of apples for $2.45

○ Fruit 'n' veg: 1.5 kg of apples for $6.65