Timester Challenge
Percentages of Amounts

Find 20% of 250.

Bronze ⭐

Work out 15% of 60.

Bronze ⭐

Work out 23% of £234.

Bronze ⭐

A church has 475 members of the congregation. 32% of the congregation are senior citizens and 24% are children. Work out the number of members from the congregation who are neither.

Silver ⭐

36 girls, 58 boys and 356 adults are members of a tennis club. 50 more children join the club. The number of girls is now 12% of the total number of members. How many of the 50 children were boys?

Silver ⭐

3500 people work at a factory.
The ratio of males to females is 3: 4.
30% of the men are under the age of 25.
18% of the females are under the age of 25.
What percentage of all the people in the company are under the age of 25?

Gold ⭐

Timester Challenge
Percentages of Amounts
Answers

Find 20% of 250.

$$250 \times 0.2 = 50$$

Bronze ⭐

Work out 15% of 60.

$$60 \times 0.15 = 9$$

Bronze ⭐

Work out 23% of £234.

$$234 \times 0.23 = £53.82$$

Bronze ⭐

A church has 475 members of the congregation. 32% of the congregation are senior citizens and 24% are children. Work out the number of members from the congregation who are neither.

$0.32 \times 475 = 152$
$0.24 \times 475 = 114$
$475 - (152 + 114) = 209$ adults.

Silver ⭐

36 girls, 58 boys and 356 adults are members of a tennis club. 50 more children join the club. The number of girls is now 12% of the total number of members. How many of the 50 children were boys?

$36 + 58 + 356 = 450$
$450 + 50 = 500$
$0.12 \times 500 = 60$ girls
$500 - (60 + 356) = 84$ boys
$84 - 58 = 26$ boys out of 50

Silver ⭐

3500 people work at a factory.
The ratio of males to females is $3:4$.
30% of the men are under the age of 25.
18% of the females are under the age of 25.
What percentage of all the people in the company are under the age of 25?

$3500 \div 7 = 500$
$Males = 500 \times 3 = 1500$
$Females = 500 \times 4 = 2000$

$0.30 \times 1500 = 450$ males
$018 \times 2000 = 360$ femals.

$450 + 360 = 810$ people under 25

$\dfrac{810}{3500} \times 100 = 23.14\%$

Gold ⭐