## Question 1

Solve by factorising:

$$
3 x^{2}-17 x+24=0
$$

Question 2
Angle $P Q R$ is not obtuse.
Find the greatest value of $x$.


Question 4
1 red rail has a length of 7 m .
2 yellow rails have a mean length of 4 m .
5 pink rails have a mean length of 9 m .
Find the mean length of the 8 rails.

## Question 1

Solve by factorising:

$$
\begin{aligned}
& 3 x^{2}-17 x+24=0 \\
& (x-3)(3 x-8)=0 \\
& x=3, x=\frac{8}{3}
\end{aligned}
$$

## Question 2

Angle $P Q R$ is not obtuse.
Find the greatest value of $x$.


Question 4
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