

Assessment Preparation 2

1) Factorise using common factor

a) $2x + 4$

b) $6x - 9$

c) $8a + 6$

2) Solve these equations

a) $x + 4 = 7$

b) $x - 2 = 8$

c) $2x = 10$

d) $\frac{x}{3} = 4$

e) $5q + 4 = 3q + 10$

f) $3y - 2 = 8y - 6$

3) Estimate the value of

a) $\frac{297 \times 21}{28}$

b) $\sqrt{34} \times 1.9^2$

c) 19×0.21

d) $\frac{504 \times 42}{0.39}$

4) The probability of Paula winning a game is $\frac{1}{4}$.
The probability of Paula and John both winning is $\frac{1}{12}$.
Find the probability that John wins.

5) The probability of Karl winning a race is 0.4.
The probability of Karl and Jenny winning their races is 0.24.
Find the probability that Jenny wins her race.