Target 4 Sheet 04A

BossMaths

Question 1

Work out $5\frac{1}{2} \div 4\frac{1}{4}$
simplifying your answer if possible.

Question 2

Find the nth term of this sequence:
-35, -28, -21, -14, ...

Question 3

A bag has 4 purple, 1 white, and 5 silver beads.
You pick one at random, note the colour and put it back.
You then pick one again.
Find the probability of picking two purple beads.

Question 4

Solve $2\,x + 10 = 3\,x + 17$

Target 4 Sheet 04A

BossMaths

Question 1

Work out $5\frac{1}{2} \div 4\frac{1}{4}$
simplifying your answer if possible.

$$5\frac{1}{2} \div 4\frac{1}{4} = \frac{11}{2} \div \frac{17}{4}$$
$$= \frac{11}{2} \times \frac{4}{17} = \frac{44}{34} = 1\frac{5}{17}$$

Question 2

Find the nth term of this sequence:
-35, -28, -21, -14, ...

$7n - 42$

Question 3

A bag has 4 purple, 1 white, and 5 silver beads.
You pick one at random, note the colour and put it back.
You then pick one again.
Find the probability of picking two purple beads.

$\frac{4}{25}$

Question 4

Solve $2\,x + 10 = 3\,x + 17$

$x = -7$