

Target 4 Sheet 04C

Question 1

Work out $2\frac{1}{2} \div 2\frac{2}{5}$

simplifying your answer if possible.

Question 2

Find the n th term of this sequence:

10, 9, 8, 7, ...

Question 3

A bag has 5 purple, 6 blue, and 2 gold beads. You simultaneously pick two beads at random.

Find the probability of picking no purple beads.

Question 4

Solve $-x - 10 = 4x - 8$

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Question 1

Work out $2\frac{1}{2} \div 2\frac{2}{5}$

simplifying your answer if possible.

$$\begin{aligned}2\frac{1}{2} \div 2\frac{2}{5} &= \frac{5}{2} \div \frac{12}{5} \\ &= \frac{5}{2} \times \frac{5}{12} = \frac{25}{24} = 1\frac{1}{24}\end{aligned}$$

Question 3

A bag has 5 purple, 6 blue, and 2 gold beads. You simultaneously pick two beads at random.

Find the probability of picking no purple beads.

$$\frac{14}{39}$$

Question 2

Find the n th term of this sequence:
10, 9, 8, 7, ...

$$-n + 11$$

Question 4

Solve $-x - 10 = 4x - 8$

$$x = -\frac{2}{5}$$