

Interleaf 10

1) Find the area of the shape to the right.

2) I draw a card from a standard pack.

Find the probability that it is a:

a) heart

b) red 10

c) 12

d) prime number

3) Find the n th term of the following sequence: 25, 21, 17, 13, ...

4) The shape at the top of the page is a plan view of a lawn that needs to be enclosed by fencing around its whole perimeter. Given that fencing costs £9.20 per metre, how much would it cost to fence the lawn?

5) Convert $\frac{3}{11}$ into a decimal using recurring notation

6) Round 48236498 to the nearest thousand

7) A triangle has an area of 4.02cm^2 and a base of 3cm, find its height.

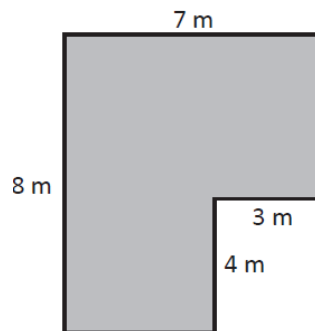
8) Simplify fully:

a) $7x \times 8y$

b) $6x - 2y + x - 3y$

9) The probability of rain on a day in April is 0.3.

On how many days in April would you expect there to be rain?



Answers

1) 44m^2 2)a) $\frac{1}{4}$ b) $\frac{1}{26}$ c) 0 d) $\frac{4}{13}$ 3) $-4n + 29$ 4) £276 5) $0.\dot{2}\dot{7}$ 6) 48236000 7) 2.68 8a) $56xy$ b) $7x - 5y$

9) 9