

① (a) Solve  $2x + x + 3x = 72$

(b) Solve  $\frac{y}{4} = 5$

Solve  $3f - 6 = 15$ .



Answer

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(3)

② Nathan buys 20 pens, 20 pencils, 20 rulers and 20 pencil cases.

What is the total amount Nathan spends?

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Price List

Pens	4 for 82p
Pencils	5 for 15p
Rulers	10 for £1.25
Pencil Cases	35p each

Answer

(5)

③

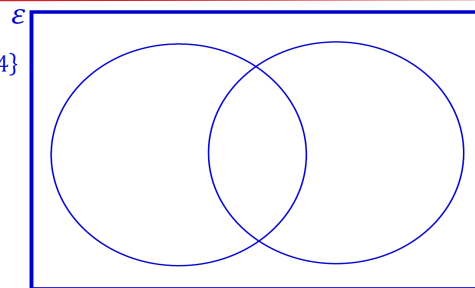
$\varepsilon = \{\text{even numbers less than } 30\}$      $A = \{4, 8, 12, 16, 20, 24, 28\}$      $B = \{6, 12, 18, 24\}$

(a) Complete the Venn Diagram to represent the information.

A number is chosen at random from the universal set,  $\varepsilon$ .

(b) What is the probability that the number is in the set  $A \cup B$

Answer



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(6)