



An amount of money is to be shared between John, Jack and Jan.
For every \$3 that John receives, Jack receives \$2 and Jan \$1.

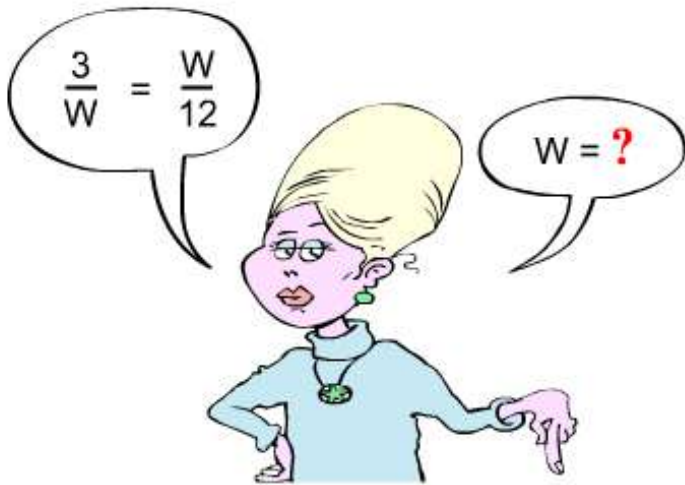
If Jack received \$36, how much was the original amount?

☐ \$108

☐ \$96

☐ \$72

☐ \$54



☐ 4

☐ 5

☐ 6

☐ 8



To make a cover for her laptop, Meggie needed 0.8 m of material. She calculated that she also needed 0.25 m for the lining.

How much material did she need altogether?

☐ 0.33 m

☐ 0.105 m

☐ 3.3 m

☐ 1.05 m

$$12 \square (6 \square 2) = 4$$

The same operation sign is missing twice in this number sentence.

What should \square be?



+

-

\times

\div

A number is divisible by 3 if the sum of its digits is divisible by 3.

Which of the following numbers is divisible by 3?



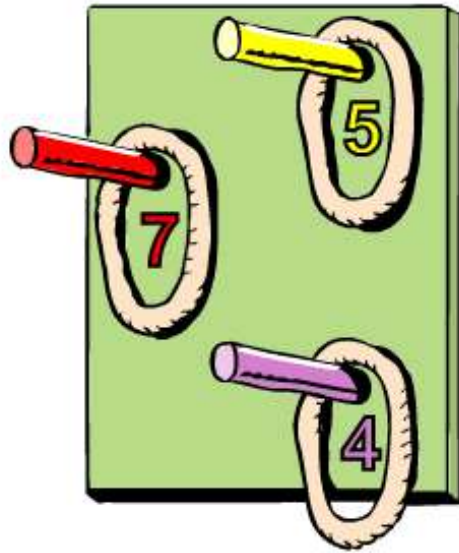
☐ 34 217

☐ 50 021

☐ 89 910

☐ 102 181

A game involves throwing hoops to land on pegs. If the hoop lands on a peg the score shown on the board is obtained.



Which score could not be obtained by tossing three hoops?

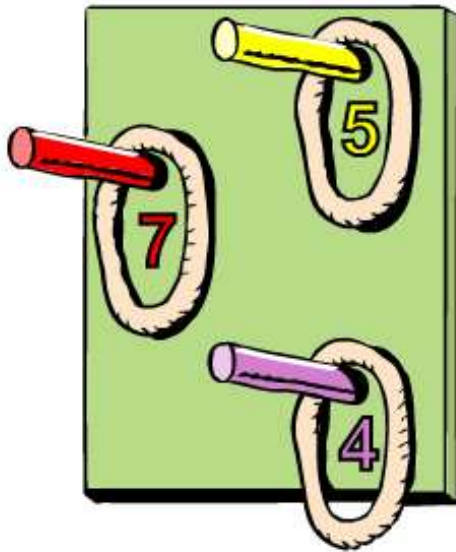
☐ 18

☐ 19

☐ 20

☐ 21

A game involves throwing hoops to land on pegs. If the hoop lands on a peg the score shown on the board is obtained.



What is the smallest number of hoops needed to score exactly 30?

☐ fewer than 5

☐ 5

☐ 6

☐ more than 6



Jackie and Jamie were the two candidates in a class election.

All 28 students in the class voted in the election.

Jackie won the election by 18 votes.

How many students voted for Jamie?

☐ 5

☐ 7

☐ 9

☐ 10



Juanita wanted to divide by 7 but instead multiplied by 7 by mistake. Her answer was 98.

What should it have been?

☐ 2

☐ 14

☐ 686

☐ 4802



Alleni got confused when trying to follow the teacher's instructions.

The teacher told her to add 5 and then multiply by 3.

Alleni multiplied by 3 and then added 5.

Her answer was 44.

What should have been the correct answer?

☐ 13

☐ 18

☐ 45

☐ 54



A teacher asked a class of students to pair up.

There was one student left over.

So, instead, the teacher decided to organise the class into threes, but again had one student left over.

Finally, he arranged the students into groups of five, but there was still one left over.

What was the smallest number of students in the class?

☐ 29

☐ 31

☐ 37

☐ 41

$$\triangle \times 12 = 48 \times 6$$

What is the value of \triangle ?

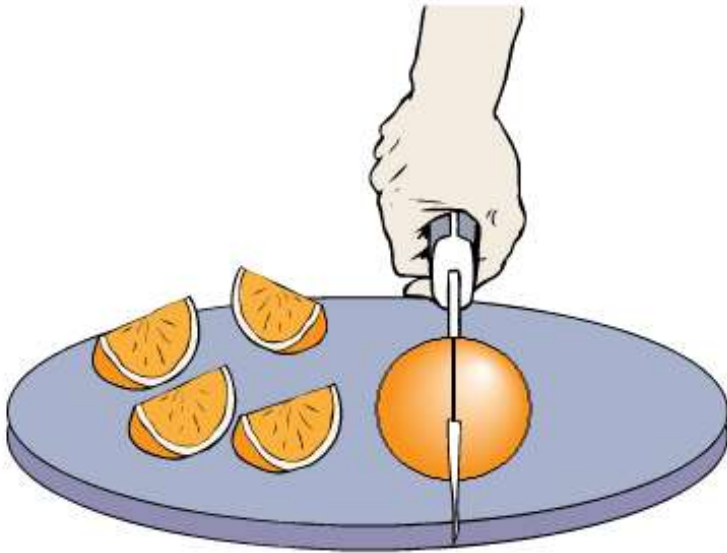


☐ 19

☐ 36

☐ 24

☐ 96



For a fruit platter Juliana cut oranges into quarters.

She ate some of the quarters and placed the remainder onto the platter.

If there were 17 quarters on the platter, what is the smallest number of oranges Juliana could have cut up?

☐ 4

☐ 5

☐ 6

☐ 7



Garth paid \$75 when he filled his car with petrol. He noted that the price of the petrol was \$1.25 per litre.

Which calculation will give the number of litres of petrol that Garth bought?

$$125 \div 75$$

$$125 \times 75$$

$$75 \div 1.25$$

$$75 \times 1.25$$



A pair of jeans is discounted by 20%.

If this means a saving of \$10, what price was paid for the pair of jeans?

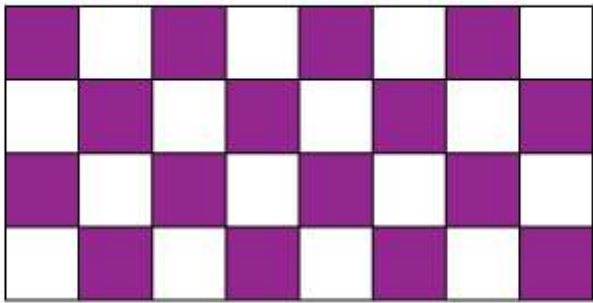
☐ \$10

☐ \$20

☐ \$40

☐ \$50

This rectangle is formed from squares and some squares are shaded.



How many more squares need to be shaded for a total of 75% of the rectangle to be shaded?

☐ 6

☐ 8

☐ 10

☐ 12

Shastri has two bags of potatoes.



Bag A contains four potatoes with an average mass of 120 g.

Bag B contains six potatoes with an average mass of 80 g.

All the potatoes from both bags are emptied into Bag C.

What is the average mass of the potatoes in Bag C?

☐ 96 g

☐ 98 g

☐ 100 g

☐ 102 g



In four years' time a mother will be three times as old as her son, who is now 12 years old.

How old was the mother when her son was born?

☐ 28 years old

☐ 32 years old

☐ 36 years old

☐ 40 years old



On the number line, what is the number represented by X?

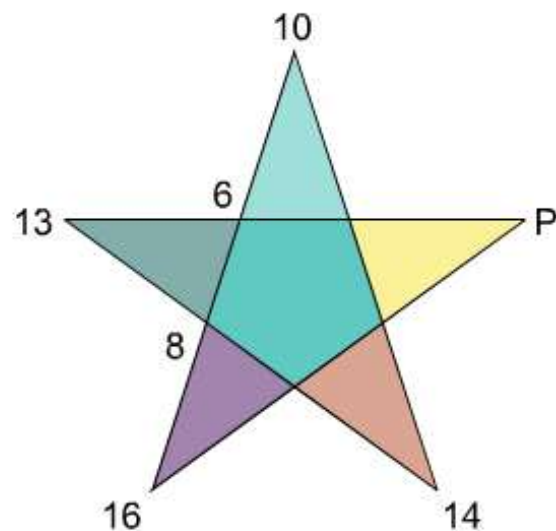
☐ 3.6

☐ 3.8

☐ 4

☐ none of these

The four numbers along each of the lines in this star add to the same number.



The numbers 5, 7, 9 and 12 are missing.

What is the value of P?

☐ 5

☐ 7

☐ 9

☐ 12