

☐ 4

☐ 61

☐ 122

☐ 1952



Jo and Ashlee run a business. 120 of the clients are Jo's. This is 40% of the total number of clients.

How many clients are there altogether?

☐ 48

☐ 300

☐ 400

☐ 480



Chloe was paid twice as much money as Kelly for a job they did.  
Together they were paid a total of \$42.

How much was Kelly paid?

☐ \$12

☐ \$14

☐ \$16

☐ \$21



In a maths quiz, where the marks were out of 20, Lim scored 17.  
John scored one more mark than Lim.

What was John's result as a percentage?

☐ 5%

☐ 75%

☐ 85%

☐ 90%

$$43 \times 67 - 43 \times 11 = 43 \times (50 + \blacktriangle )$$

$\blacktriangle = ?$



☐ 6

☐ 24

☐ 56

☐ 78

$$1440 \div 60 = 24$$

$$1440 \div \boxed{\phantom{000}} = 8$$

What number is placed in the box to make the number sentence true?



☐ 20

☐ 63

☐ 120

☐ 180

Note that  $300 \div 12.5 = 24$

So  $30 \div 1.25 = ?$



☐ 0.24

☐ 2.4

☐ 24

☐ 240

Consider these fractions:

$$\frac{3}{4}$$

$$\frac{7}{10}$$

$$\frac{17}{20}$$

$$\frac{4}{5}$$

What is the difference between the largest and smallest fractions?

$$\frac{3}{20}$$

$$\frac{3}{10}$$

$$\frac{2}{5}$$

$$\frac{1}{2}$$





---

Jannah is paid \$120 per week for her part-time job.  
She currently saves 20% of her pay.

If she decides to increase her savings to 30%, how much extra will she save each week?

☐ \$12

☐ \$16

☐ \$20

☐ \$24



---

Homer, Lisa and Bart have an average mass (weight) of 48 kilograms.  
When the mass of Ben is included, the average increases by 2 kilograms.

What is Ben's mass?

☐ 50 kg

☐ 54 kg

☐ 56 kg

☐ 60 kg

In this addition square, some of the numbers are missing:

				Row Totals	
	2	7	Y		
	5		9	15	
		8		17	
Column Totals	13	X	16		Overall Total

What is the value of X?

☐ 15

☐ 16

☐ 17

☐ 18

In this addition square, some of the numbers are missing:

				Row Totals	
	2	7	Y		
	5		9	15	
		8		17	
Column Totals	13	X	16		Overall Total

What is the value of Y?

☐ 3

☐ 4

☐ 5

☐ 6

$$15 - (3 + 7) + (6 ? 2) = 9$$

The missing operation sign ? must be . . .

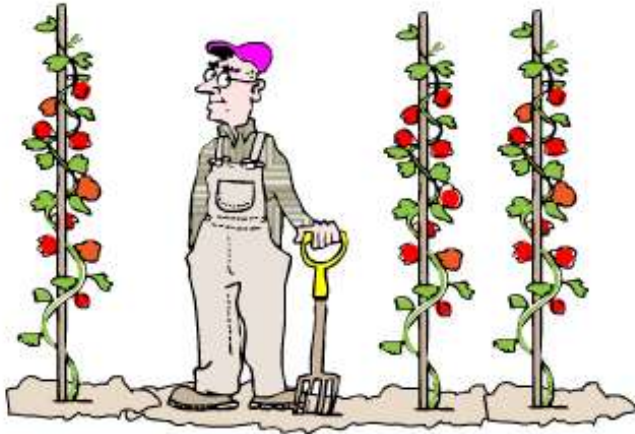


+

-

x

÷



Joe picked 36 tomatoes from his backyard garden.

He gave eight to his neighbour and some to his friend Larry.

If he still had two-thirds remaining, how many tomatoes did Larry receive?

☐ 3

☐ 4

☐ 6

☐ 8

A car numberplate consists of two letters, then two numbers and then two letters; for example,



Letters and numbers can be repeated.

How many different numberplates can be made in the pattern:



☐ 26

☐ 36



☐ 260



☐ 2600



$$4 \square 6 \triangle 3 = 27$$

Different operation signs are to be placed in the rectangle and the square to make the number sentence correct.

What operations are to be placed into the symbols?

 = x  
 = +

 = +  
 = -

 =  $\times$   
 =  $\div$





Today Kai is celebrating his 45th birthday.  
He was 28 when his daughter Anna was born.

How old will Anna be when Kai retires in 15 years' time?

☐ 26

☐ 28

☐ 30

☐ 32



A 3-litre bottle of juice costs \$5.60 and a 1-litre bottle of the same juice costs \$1.95.

If you buy 12 litres of juice, how much will you save if you buy all 3-litre bottles instead of all 1-litre bottles?

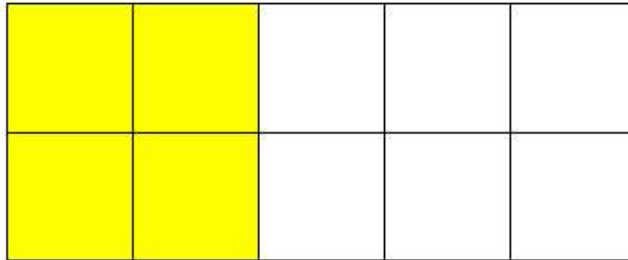
☐ 25 cents

☐ 75 cents

☐ \$1

☐ \$3

Abby shaded two-fifths of this rectangle yellow and Alice shaded half of the same rectangle blue.



The part they both shaded turned green.

What fraction of the rectangle did they both shade?

$\frac{1}{3}$

☐

$\frac{1}{4}$

☐

$\frac{1}{5}$

☐

$\frac{1}{6}$

☐

$$48 - (24 - 12) = (48 - ?) - 12$$



☐ 0

☐ 12

☐ 24

☐ 36