



Mental Strategies Answers

Q	Question	Answer
1	$10 = \square + 2$	8
2	What is double 4?	8
3	What is half of 42?	21
4	$24 + 40 = \square$	64
5	$105 + \square = 110$	5
6	$81 + 78 = \square$	159
7	$3 = 1 + \square$	2
8	$85 + 6 = 85 + 5 + \square$	1
9	$5 + 128 = \square$	133
10	$42 + 85 = 42 + 80 + \square$	5



Timestables Answers

Q	Question	Answer
1	$70 \div \square = 7$	10
2	$\square \times 10 = 100$	10
3	$32 \div \square = 8$	4
4	$\square \div 4 = 10$	40
5	$\square \times 2 = 12$	6
6	$63 \div 7 = \square$	9
7	$56 \div 7 = \square$	8
8	$3 \times 3 = \square$	9
9	$5 \times \square = 30$	6
10	$\square \div 2 = 8$	16



Key Skills Answers

Q	Question	Answer
1	$440 \div 5 = \square$	88
2	$7 + 10 \times 1$	17
3	$8.77 \div 0.1$	87.7
4	1000×1.58	1580
5	$33.6 - 1.72$	31.88
6	Write $2/16$ in its simplest form	$1/8$
7	Which is the lowest number, -9 or -6 ?	-9
8	Value of the dot	10
9	What is the value of 9 squared?	81
10	What is 120% of £100?	£120



Week 11 Session 4

Calculate your
Ninja Score to see
which Ninja Belt
you've earned
today!

WHICH NINJA BELT ARE YOU?

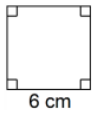
Which belt does your NINJA Score earn you?

- 0-3 WHITE
- 4-6 YELLOW
- 7-9 ORANGE
- 10-13 GREEN
- 14-17 BLUE
- 18-21 PURPLE
- 22-25 RED
- 26-29 BROWN
- 30 BLACK

NUMEROCY
NINJA

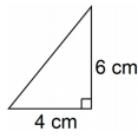
Calculate the area of the square

$$6 \times 6 = 36 \text{ cm}^2$$



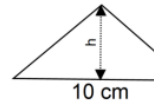
Calculate the area of the triangle

$$\frac{1}{2} \times 6 \times 4 = 12 \text{ cm}^2$$



If the triangle has an area of 40 cm² calculate the height

$$\begin{aligned} \frac{1}{2} \times 10 \times h &= 40 \\ 5h &= 40 \\ h &= 8 \text{ cm} \end{aligned}$$



The logo shown below has a total area of 125 cm² and the square has side length 5 cm. Calculate the width of the logo

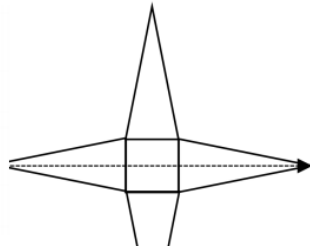
$$5 \times 5 = 25 \text{ cm}^2$$

4 triangles have an area of 100 cm²

1 triangle has an area of 25 cm²

$$\frac{1}{2} \times 5 \times h = 25$$

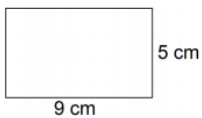
$$h = 10 \text{ cm}$$



Total width

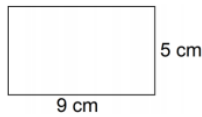
$$\begin{aligned} 10 \text{ cm} + 5 \text{ cm} + 10 \text{ cm} \\ = 25 \text{ cm} \end{aligned}$$

Calculate the perimeter



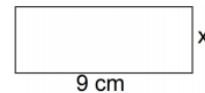
$$9 + 5 + 9 + 5 = 28 \text{ cm}$$

Calculate the area



$$9 \times 5 = 45 \text{ cm}^2$$

If the area of the rectangle is 27 cm² calculate x



$$x = 3 \text{ cm}$$

Calculate the perimeter of the large rectangle

	3	5	6
4	12 m ²	20 m ²	24 m ²
5	15 m ²	25 m ²	30 m ²
7	21 m ²	35 m ²	42 m ²

$$3 + 5 + 6 = 14 \text{ cm}$$

$$4 + 5 + 7 = 16 \text{ cm}$$

Perimeter

$$= 14 + 16 + 14 + 16$$

$$= 60 \text{ cm}$$