

11.1.21 WALT: Use long multiplication.

Bell work:

16 $\frac{1}{9} \div 3 =$

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17	$3 \times 9.06 =$
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[illegible]

11.1.21 WALT: Use long multiplication.

Bell work:

Rule:

K C F

16

$$\frac{1}{9} \div 3 =$$

Remember the whole number is always over !!

$$\begin{array}{r} 1 \\ \hline 9 \end{array} \quad \times \quad \begin{array}{r} 1 \\ \hline 3 \end{array}$$

(K) (C) (F)

$$\frac{1}{27}$$

17

$$3 \times 9.06 =$$

If you get confused with the decimal, remember you can always take it out BUT remember to put it back in, in your final answer!

$$\begin{array}{r} 906 \\ 3 \times \\ \hline 2718 \end{array} \quad \text{OR} \quad \begin{array}{r} 9.06 \\ 3 \times \\ \hline 27.18 \end{array} \quad 27.18$$

Put the decimal back!

11.1.21 WALT: Use long multiplication.

Teacher model...

$$1264 \times 35 =$$

11.1.21 WALT: Use long multiplication.

In pairs, solve...

$$3569 \times 45 =$$

How do we solve this?

$$29.45 \times 36 =$$

11.1.21 WALT: Use long multiplication.

Hinge questions:

$$2743 \times 53 =$$

$$34.74 \times 26$$

Answer!

Answer!

11.1.21 WALT: Use long multiplication.

Your task:

Gold	Silver	Bronze
Classroom secrets 'Multiply 2 digits by 4 digits varied fluency' Q9-12	Classroom secrets 'Multiply 2 digits by 4 digits varied fluency' Q5-8	Classroom secrets 'Multiply 2 digits by 4 digits varied fluency' Q1-4
Task: Solve missing number multiplications.		Front table Y6 TYM p13 A ET (BST) to support

When create your own missing number 4 digit by 2 digit question for a partner to solve

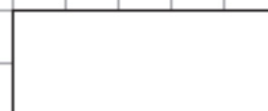
12.1.2 | WALT: Use long division.

Bell work:

13

$$4231 \times 43 =$$

		4	2	3	1														
	x			4	3														



Feedback from long multiplication:

What went well:

Misconceptions/errors:

Next steps:

12.1.21 WALT: Use long division.

$$5405 \div 23 =$$

12.1.21 WALT: Use long division.

$$5091 \div 35 =$$

12.1.21 WALT: Use long division.

Hinge question:

$$8041 \div 17 = \boxed{}$$

12.1.21 WALT: Use long division.

Your task:

Gold

Y6 TYM p19 C

Ext:

Class 6 are completing this calculation

$$3,636 \div 12$$

Violet



I know there will be a remainder before I start.

Is she correct?

Explain how you know.

Silver

Y6 TYM p19 B

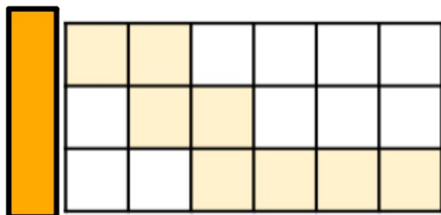
Bronze

Y6 TYM p19 A

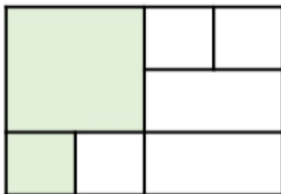
13.1.21 WALT: Solve multi-step word problems.

Bell work:

- 1 What fraction of each rectangle is shaded?



$\frac{5}{12}$



- 2 Work out the following fraction calculations.

(a) $\frac{3}{6} + \frac{1}{2} = \square$

(b) $\frac{2}{5} + \frac{7}{15} + \frac{3}{5} + \frac{8}{15} = \square$

(c) $1 - \frac{1}{5} - \frac{3}{10} = \square$

Feedback from long division:

What went well:

Misconceptions/errors:

Next steps:

13.1.21 WALT: Solve multi-step word problems.

1. A tie shop has 684 ties for sale. One ninth are sold on Friday. 129 are sold on Saturday. How many ties are left?

2. In one hour 1258 vehicles are counted travelling west and half as many travelling east. How many vehicles are counted altogether?

13.1.21 WALT: Solve multi-step word problems.

Hinge questions:

1.) A bicycle frame weighs 12.75kg. Each wheel weighs 1.85kg. What is the total weight of the frame and the wheels?

2.) An athlete buys a stopwatch for £29.50 and a pair of running shoes. He pays £100 and receives £4.51 change. How much do the shoes cost?

13.1.21 WALT: Solve multi-step word problems.

Your task:

Gold

Year 6
Y6TYM p39 C

Ext: Multiplication and
division problem cards (do
these in any order)

Silver

Year 6
Y6TYM p39 B

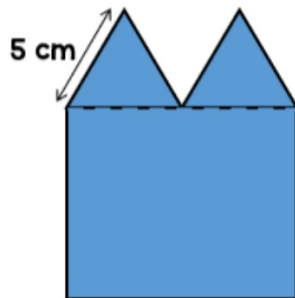
Bronze

Year 6
Y6TYM p39 A

14.1.21 WALT: Solve problems involving line graphs.

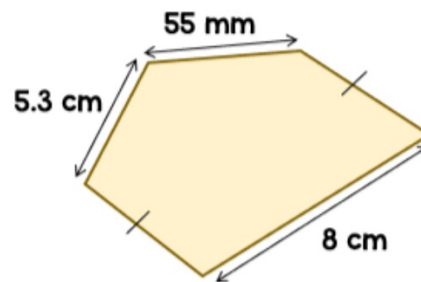
Bell work:

- 1 A shape is made up of two equilateral triangles and a square.



What is the perimeter of the shape?

- 2 The perimeter of the pentagon is 25 cm.



Find the missing lengths.

Feedback from solving worded problems:

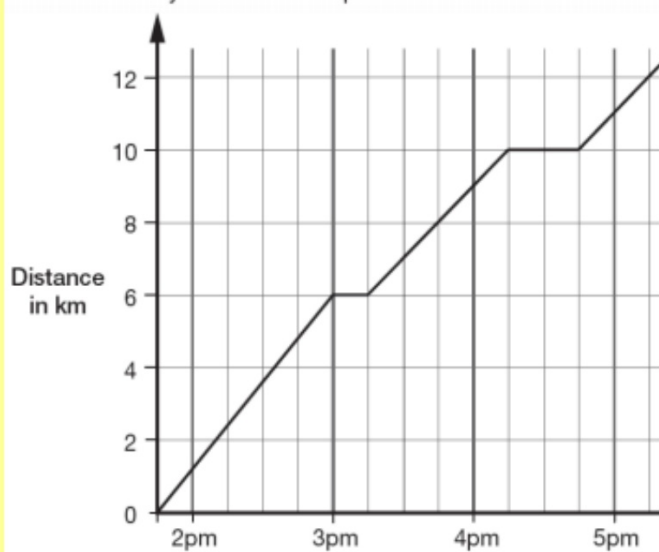
What went well:

Misconceptions/errors:

Next steps:

14.1.21 WALT: Solve problems involving line graphs.

This graph shows the distance Alfie and Chen walked in an afternoon. They started at 1:45pm and had two breaks.



How many kilometres did they walk **between** the first and second breaks?

 km

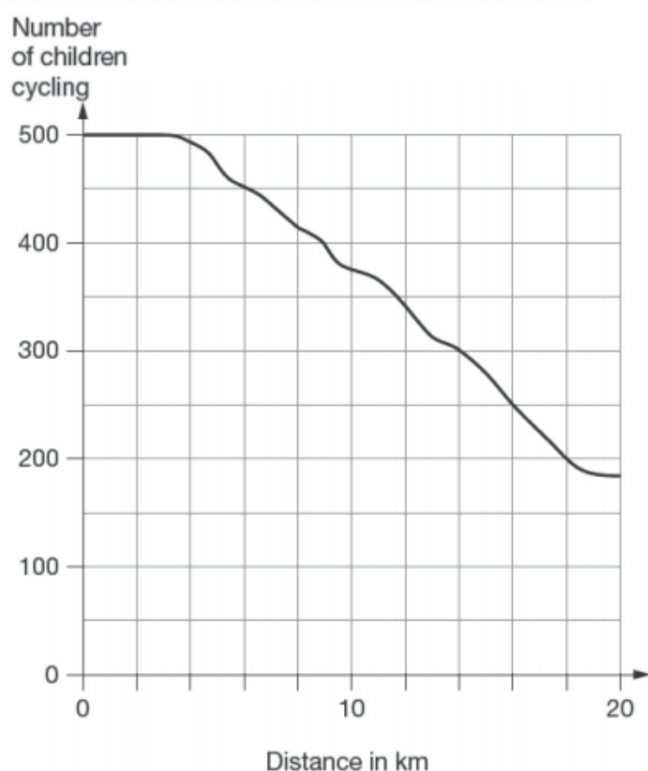
At what time did Alfie and Chen start their second break?



14.1.21 WALT: Solve problems involving line graphs.

500 children started a 20 kilometre sponsored cycle ride.

This graph shows how far they cycled.



At what distance were exactly half of the children still cycling?

 km

Estimate how many children completed the 20 kilometre cycle ride

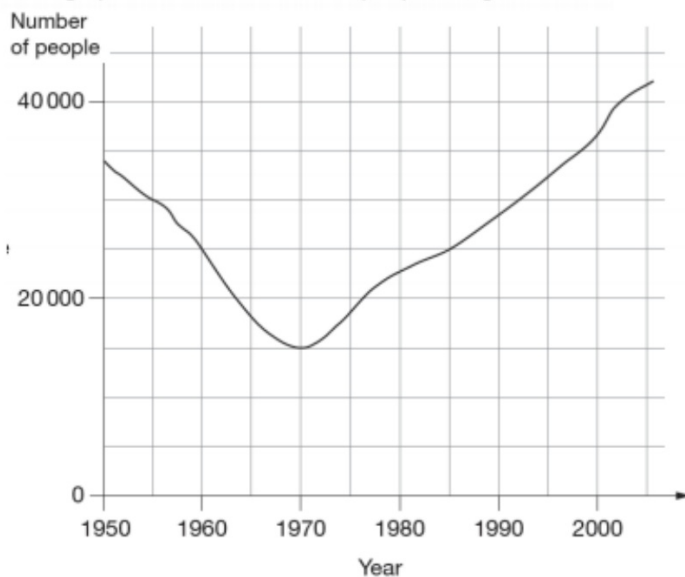




14.1.21 WALT: Solve problems involving line graphs.

Hinge questions:

This graph shows the number of people living in a town.



Look at the graph.

How many people lived in the town in 1985?




In which year was the number of people the same as in 1950?



Find the year when the number of people first went below 20 000





14.1.21 WALT: Solve problems involving line graphs.

Gold

Year 6
Y6TYM p147 C

Silver

Year 6
Y6TYM p147 B

Bronze

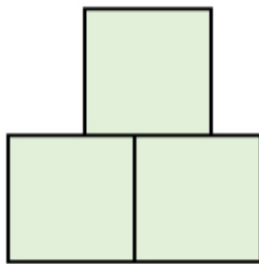
Year 6
Y6TYM p146 A

**Ext: Past SATs paper
questions with other
types of charts**

15.1.21 WALT: Interpret conversion graphs.

Bell work:

- 2** A shape is made of 3 identical squares.



The area of the shape is 75cm^2 .

What is the perimeter of the shape?



Feedback from line graphs:

What went well:

Misconceptions/errors:

Next steps:

15.1.21 WALT: Interpret conversion graphs.

500 children started a 20 kilometre sponsored cycle ride.

This graph shows how far they

At what distance were exactly half of the children still cycling?



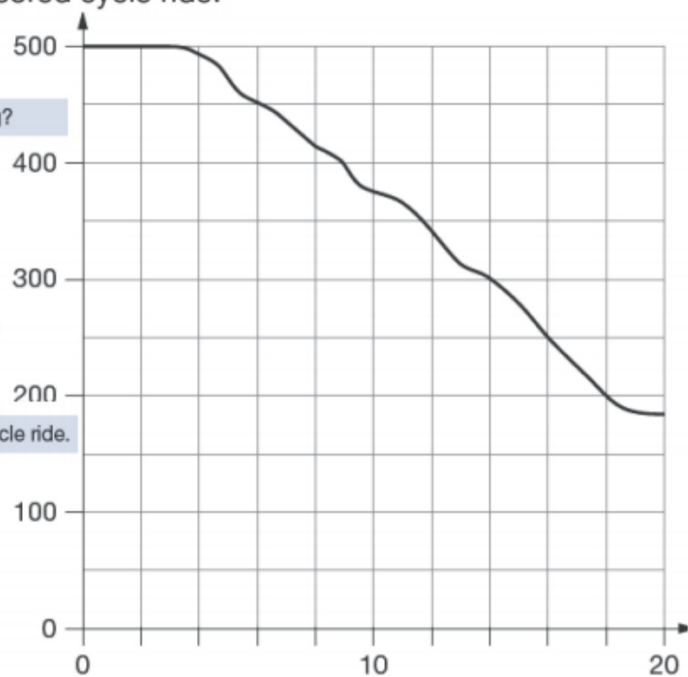
km



Estimate how many children completed the 20 kilometre cycle ride.



Number
of children
cycling

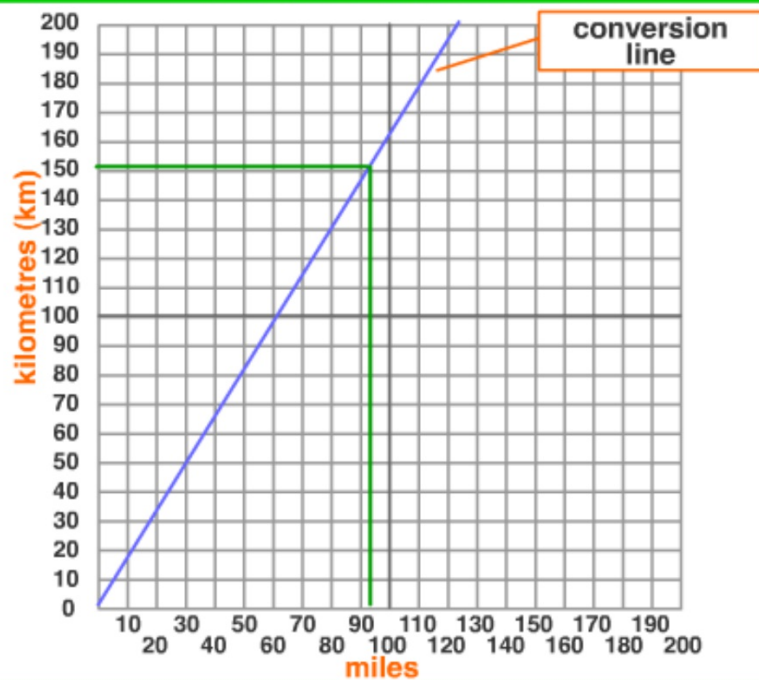


15.1.21 WALT: Interpret conversion graphs.

conversion graph

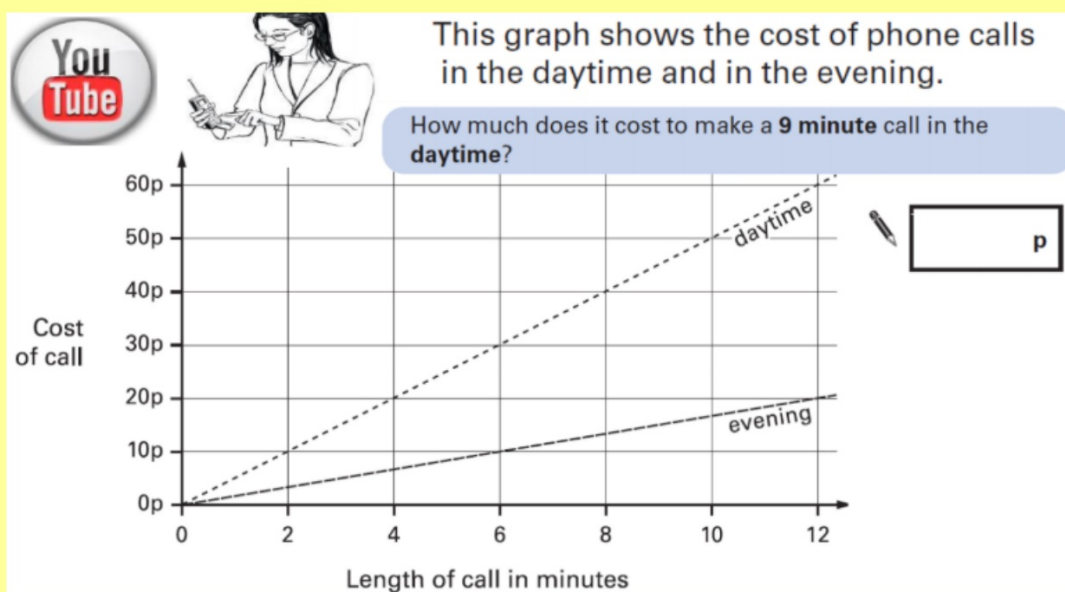
• a line graph used to convert one unit to another.

EXAMPLE: kilometres ... miles conversion



— Read across and down: 150km = 93 miles.

15.1.21 WALT: Interpret conversion graphs.

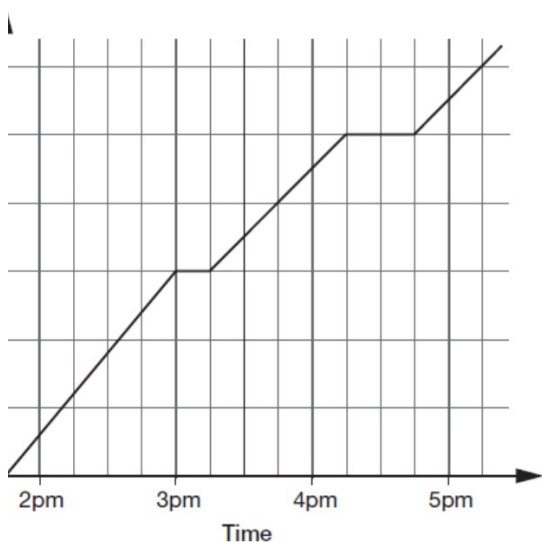


How much **more** does it cost to make a **6 minute** call in the **daytime** than in the **evening**?

15.1.21 WALT: Interpret conversion graphs.

Hinge questions:

the distance Alfie and Chen walked in an afternoon. They started at 1:45pm
is.



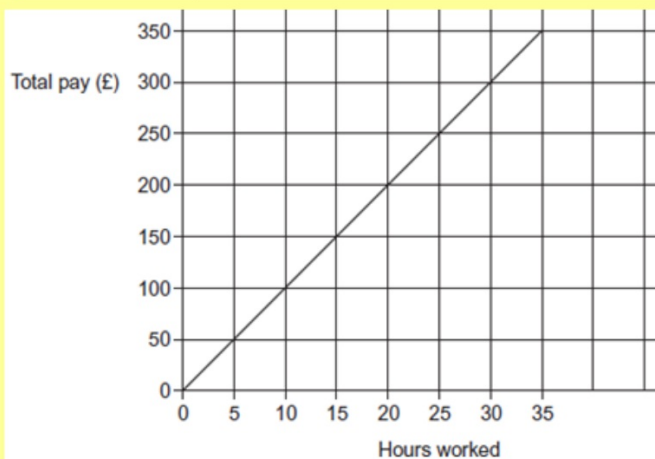
How far did they walk **between** the first and second breaks?

When did Alfie and Chen start their second break?



1 mark

Q5. The graph shows the total pay (£), that Fatima receives for up to 35 hours worked.



(a) How much is her total pay if she works for 35 hours?

£

(b) How much is she paid per hour?

.....

15.1.21 WALT: Interpret conversion graphs.

Gold

**Year 6
Y6TYM p145 C**

Ext: Conversion graph
questions

Silver

**Year 6
Y6TYM p145 B**

Bronze

**Year 6
Y6TYM p144 A**

