

Year 5,

Please check Education City for any maths tasks relating to this week's work. Remember, you can do the tasks (on Education City) as many times as you want- so if you want to try the activity again and improve your score at the end of the week, after all your incredible learning, you can do!

None of your maths work needs to be sent in to your teachers, there are answers at the end of each PowerPoint for you to self-mark.

You are doing a great job!

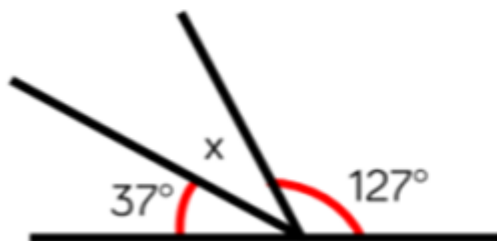
Day 1- Monday

Starter

$$\frac{1}{3} + \frac{1}{12} =$$

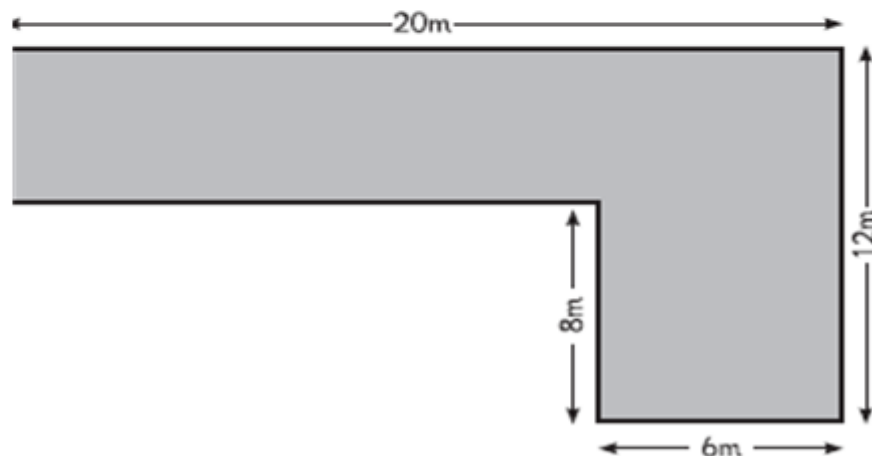
$$8.02 - 3.5 =$$

Find the measurement of x



Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres.

a) Work out the perimeter of this shape:



Answer: m

Multiplying mixed numbers by whole numbers

There is a teaching video of this on our school website – curriculum - maths

$$2\frac{1}{4} \times 5 =$$

To multiply a mixed number by a whole number:

1) change the mixed number to an improper fraction.

Mixed number

Improper

$$2\frac{1}{4}$$

$$2 \times 4 = 8$$

$$8 + 1 = 9$$

$$\frac{9}{4}$$

2) Then put the whole number over 1 and multiply.

$$\frac{9}{4} \times \frac{5}{1} = \frac{45}{4}$$

3) Lastly, convert your improper fraction into a mixed number

$$\frac{45}{4}$$

$$45 \div 4 = 11 \text{ r } 1$$

$$11\frac{1}{4}$$

Mild:

$$3\frac{2}{7} \times 4 \quad 2\frac{4}{9} \times 2 \quad 4 \times 3\frac{3}{5}$$

Hot:

Work out

1 $3\frac{3}{4} \times 12$

2 $2\frac{1}{6} \times 8$

3 $7\frac{9}{10} \times 5$

4 $4\frac{2}{5} \times 3$

Mild:

Pencils are packed 6 to a box. A teacher hands them out and has $\frac{15}{6}$ left.

Write how many boxes she has left as a mixed number.

- Use the diagram to find the answer.

$$3 \times \frac{2}{3}$$



- Draw a diagram to represent $5 \times \frac{3}{7}$

Hot:

Jack runs $2\frac{2}{3}$ miles three times per week.

Dexter runs $3\frac{3}{4}$ miles twice a week.

Who runs the furthest during the week?

Explain your answer.

Work out the missing numbers.

$$2\frac{2}{8} \times \boxed{} = \boxed{7}\frac{7}{8}$$

Explain how you worked it out.

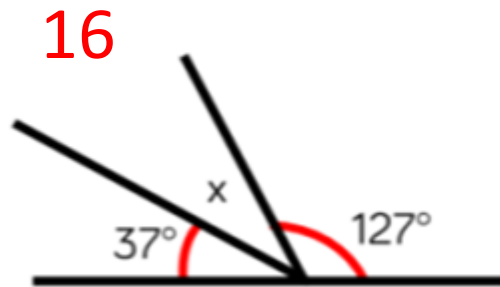
ANSWERS

Starter

$$\frac{1}{3} + \frac{1}{12} = \frac{5}{12}$$

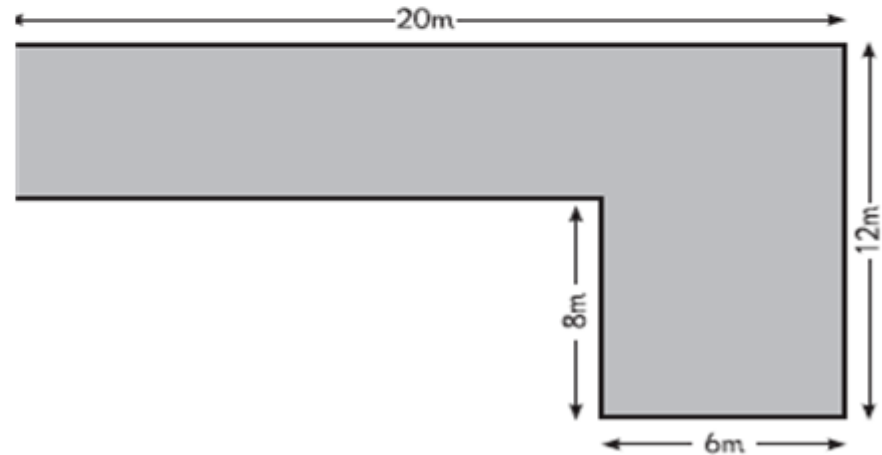
$$8.02 - 3.5 = 4.52$$

Find the measurement of x



Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres.

1) Work out the perimeter of this shape:



Answer: **64** m

Answers

Mild:

$$13 \frac{1}{7}$$

$$4 \frac{8}{9}$$

$$14 \frac{2}{5}$$

Hot:

$$1) 45$$

$$2) 17 \frac{2}{6}$$

$$3) 39 \frac{5}{10} \text{ or } 39 \frac{1}{2}$$

$$4) 13 \frac{1}{5}$$

Answers

Mild: 1) $2\frac{3}{6}$ Or $2\frac{1}{2}$



Hot:

Jack runs $2\frac{2}{3} \times 3 = 8$ miles.

Dexter runs $3\frac{3}{4} \times 2 = 7\frac{1}{2}$ miles.

Jack runs further by half a mile.

Possible answer:

$$2\frac{5}{8} \times 3 = 7\frac{7}{8}$$

I knew that the multiplier could not be 4 because that would give an answer of at least 8. So the multiplier had to be 3. That meant that the missing numerator had to give a product of 15. I knew that 5 multiplied by 3 would give 15