

Part of

**BEAT  
THAT!**



Welsh Language

**Big Maths**

The **SAFE** Challenges!

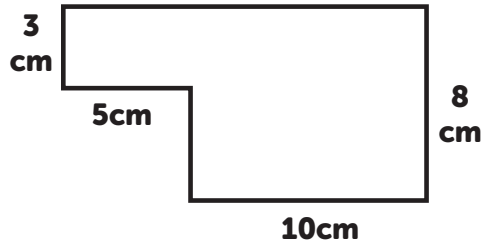
Thank you to Ysgol Gymraeg Treganna, Ysgol Gymraeg Glan Ceubal and Ysgol Morfa Rhianedd for their generous help in translating the SAFE Challenges to Welsh.



# Big Maths Beat That!: Teacher Notes

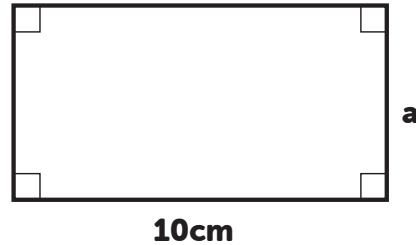
SAFE Challenge 16			
	Step Location in the SAFE framework		Title of Step
	Progress Drive	Step No.	
Q1	Amounts: Amounts of Distance	25	I can find the perimeter of compound shapes
Q2	Amounts: Amounts of Distance	26	I can use the total perimeter to find missing side lengths
Q3	Amounts: Amounts of Turn	17	I recognise 'reflex' angles
Q4	Amounts: Amounts of Turn	21	I can use my right angle Learn Its to find simple missing angles
Q5	Fractions: Fractions: Counting	17	I can round numbers with 2dp
Q6	Fractions: Fractions: Learn Its	8	I know $1/5 = 0.2$ , $2/5 = 0.4$ , $4/5 = 0.8$
Q7	Fractions: Fractions: Calculation	6	I can simplify fractions ready for ordering... and order them
Q8	Fractions: Fractions: Calculation	7	I can simplify fractions ready for calculating... and calculate with them
Q9	Dangerous Maths: Algebra	9	I can find a missing number by calculating first
Q10	Shape: Explore and Draw	24	I can recognise and draw diagonal lines

1 Beth yw'r perimedr?



Perimedr =

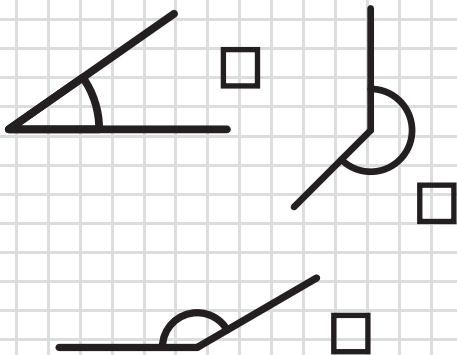
2 Beth yw hyd ymyl 'a'?



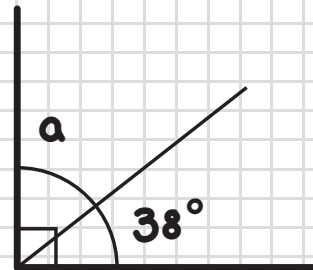
Perimedr = 32cm

a =

3 Pa onglau sy'n onglau 'atblyg'?



4 Beth yw maint ongl 'a'?



5 Talgrynnwch i'r rhif cyfan agosaf.

4.73 →

7 <, > neu =

$\frac{6}{10}$    $\frac{1}{2}$

9  $73 - 45 =$  \_\_\_\_\_  $\times 7$

6 Ysgrifennwch fel rhifau degol sy'n cyfateb

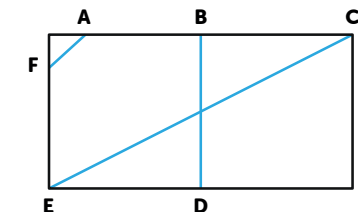
$\frac{1}{5} =$

$\frac{2}{5} =$

$\frac{4}{5} =$

8  $\frac{10}{50} + \frac{2}{5} = \frac{\quad}{5}$

10 Ticiwch y llinell letraws.



AF

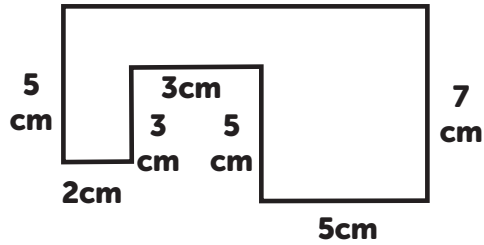
BD

CE

FY SGÔR DDIWETHAF?! .....

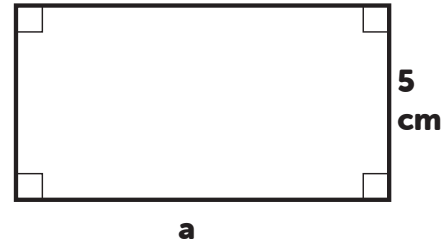
YDW I WEDI EI GURO?! .....

1 Beth yw'r perimedr?



Perimedr =

2 Beth yw hyd ymyl 'a'?



Perimedr = 30cm

a =

5 Talgrynnwch i'r degfed agosaf.

6.12 →

7 <, > neu =

$\frac{1}{2}$    $\frac{10}{20}$

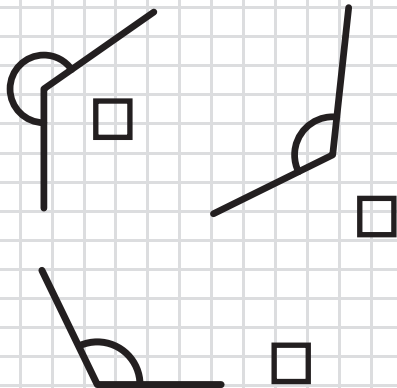
6 Ysgrifennwch fel rhifau degol sy'n cyfateb

$\frac{2}{5} =$

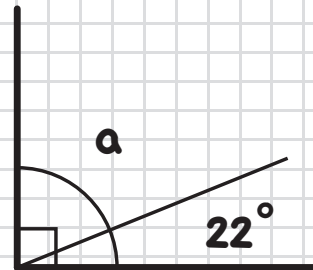
$\frac{4}{5} =$

$\frac{1}{5} =$

3 Pa onglau sy'n onglau 'atblyg'?

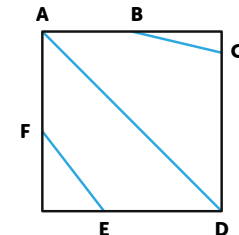


4 Beth yw maint ongl 'a'?



9  $10 + 25 =$  \_\_\_\_\_  $\times 5$

10 Ticiwch y llinell letraws.



AD

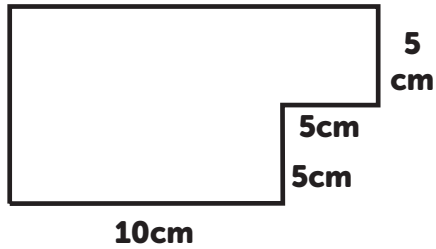
BC

EF

FY SGÔR DDIWETHAF?! .....

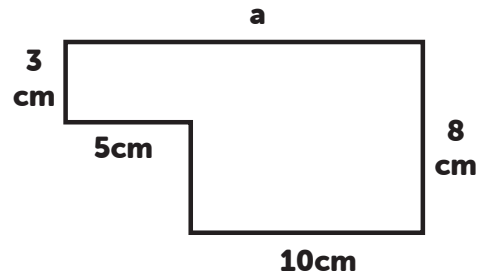
YDW I WEDI EI GURO?! .....

1 Beth yw'r perimedr?



Perimeddr =

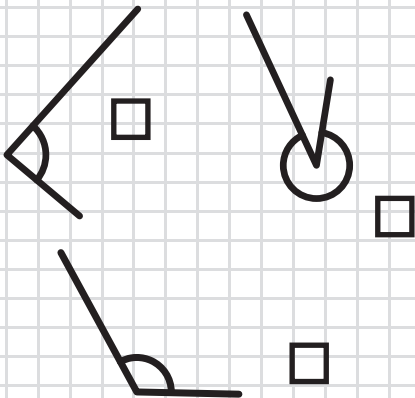
2 Beth yw hyd ymyl 'a'?



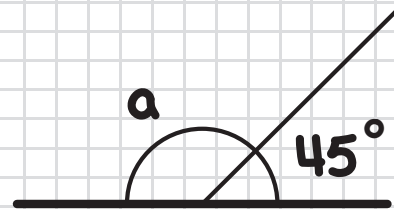
Perimeddr = 46cm

a =

3 Pa onglau sy'n onglau 'atblyg'?



4 Beth yw maint ongl 'a'?



5 Talgrynnwch i'r degfed agosaf.

1.65 →

7 <, > neu =

$\frac{2}{6}$    $\frac{2}{3}$

9  $30 - 6 =$    $\times 8$

6 Ysgrifennwch fel rhifau degol sy'n cyfateb

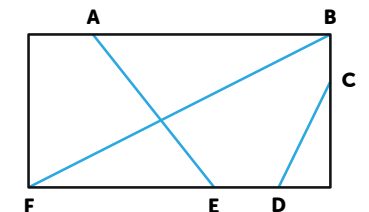
$\frac{1}{5} =$

$\frac{4}{5} =$

$\frac{2}{5} =$

8  $\frac{5}{15} + \frac{1}{3} = \frac{\quad}{3}$

10 Ticiwch y llinell letraws.



AE

BF

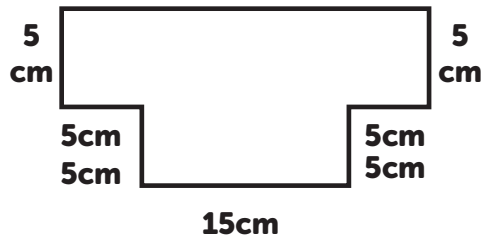
CD

FY SGÔR DDIWETHAF?!

YDW I WEDI EI GURO?!

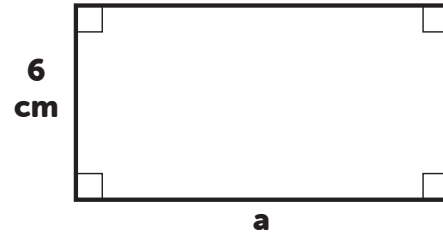


1 Beth yw'r perimedr?



Perimedr =

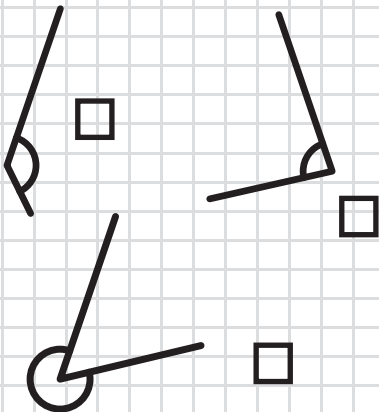
2 Beth yw hyd ymyl 'a'?



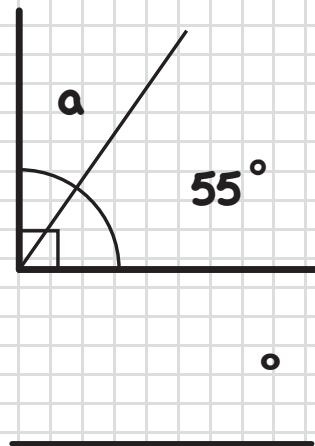
Perimedr = 42cm

a =

3 Pa onglau sy'n onglau 'atblyg'?



4 Beth yw maint ongl 'a'?



5 Talgrynnwch i'r rhif cyfan agosaf.

3.14 →

7 <, > neu =

$\frac{2}{6}$    $\frac{1}{3}$

9  $2 \times 8 =$  \_\_\_\_\_  $- 4$

6 Ysgrifennwch fel rhifau degol sy'n cyfateb

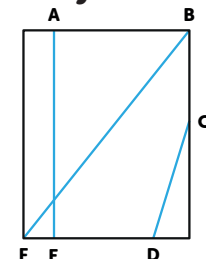
$\frac{4}{5} =$

$\frac{1}{5} =$

$\frac{2}{5} =$

8  $\frac{4}{10} + \frac{1}{2} = \frac{\quad}{10}$

10 Ticiwch y llinell letraws.



AE

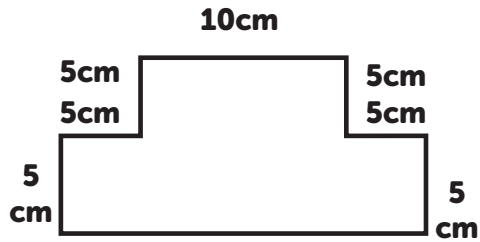
BF

CD

FY SGÔR DDIWETHAF?! .....

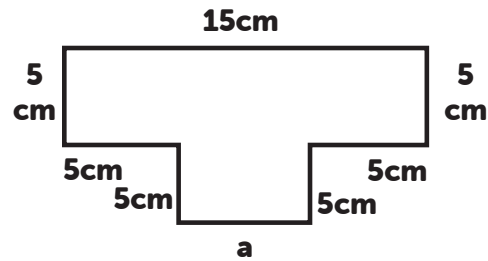
YDW I WEDI EI GURO?! .....

1 Beth yw'r perimeddr?



Perimeddr =

2 Beth yw hyd ymyl 'a'?



Perimeddr = 50cm

a =

5 Talgrynnwch i'r degfed agosaf.

7.35 →

7 <, > neu =

$\frac{10}{30}$    $\frac{1}{3}$

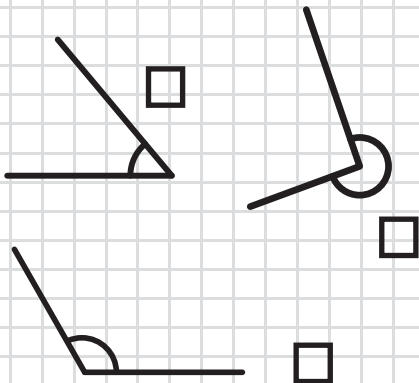
6 Ysgrifennwch fel rhifau degol sy'n cyfateb

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

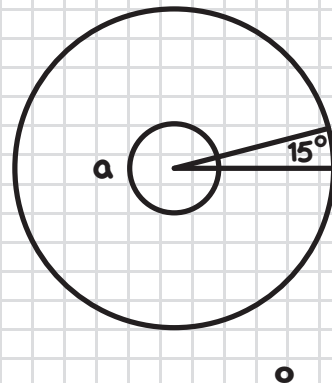
$$\frac{4}{5} =$$

$$\frac{1}{5} =$$

3 Pa onglau sy'n onglau 'atblyg'?

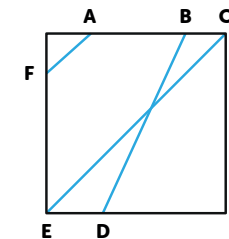


4 Beth yw maint ongl 'a'?



9  $22 - 2 =$  \_\_\_\_\_  $+ 11$

10 Ticiwch y llinell letraws.



AF

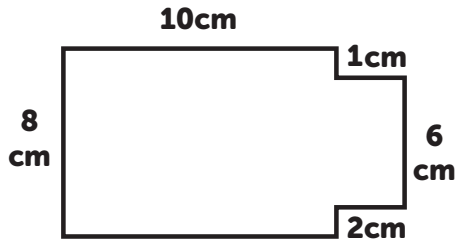
BD

CE

FY SGÔR DDIWETHAF?!

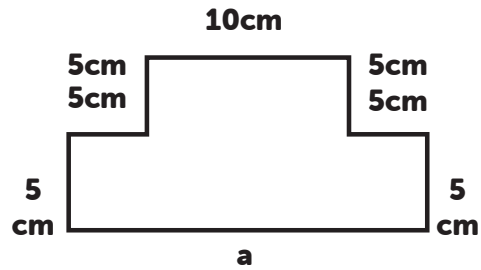
YDW I WEDI EI GURO?!

1 Beth yw'r perimedr?



Perimeddr =

2 Beth yw hyd ymyl 'a'?



Perimeddr = 60cm

a =

5 Talgrynnwch i'r degfed agosaf.

4.71 →

7 <, > neu =

$\frac{2}{3}$    $\frac{10}{30}$

9  $3 \times 6 =$  \_\_\_\_\_  $\div 2$

6 Ysgrifennwch fel rhifau degol sy'n cyfateb

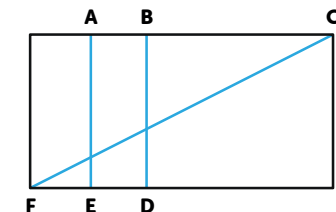
$$\frac{4}{5} =$$

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

$$\frac{1}{5} =$$

8  $\frac{10}{30} + \frac{1}{3} = \frac{\quad}{3}$

10 Ticiwch y llinell letraws.

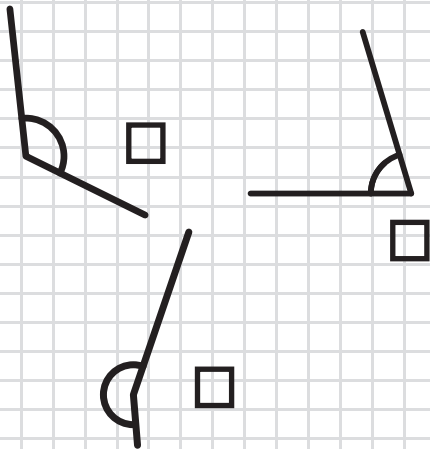


AE

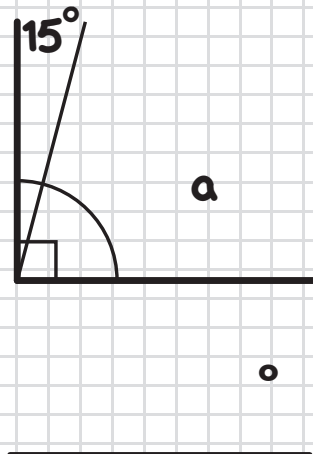
BD

CF

3 Pa onglau sy'n onglau 'atblyg'?



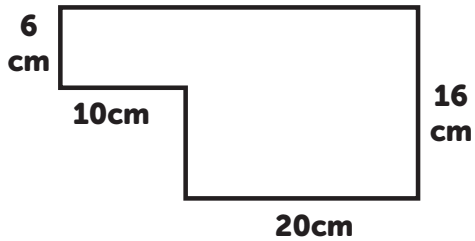
4 Beth yw maint ongl 'a'?



FY SGÔR DDIWETHAF?! .....

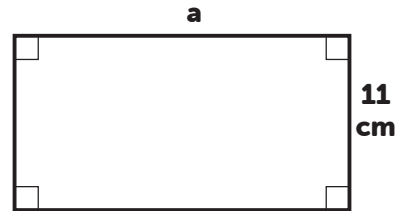
YDW I WEDI EI GURO?! .....

1 Beth yw'r perimedr?



Perimedr =

2 Beth yw hyd ymyl 'a'?



Perimedr = 62cm

a =

5 Talgrynnwch i'r rhif cyfan agosaf.

2.54 →

7 <, > neu =

$\frac{2}{3}$    $\frac{5}{15}$

9

$40 \div 5 = 2 \times$  \_\_\_\_\_

6 Ysgrifennwch fel rhifau degol sy'n cyfateb

$\frac{1}{5} =$

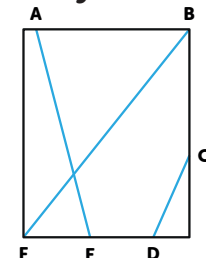
$\frac{4}{5} =$

$\frac{2}{5} =$

8

$\frac{2}{3} - \frac{10}{30} = \frac{\quad}{3}$

10 Ticiwch y llinell letraws.

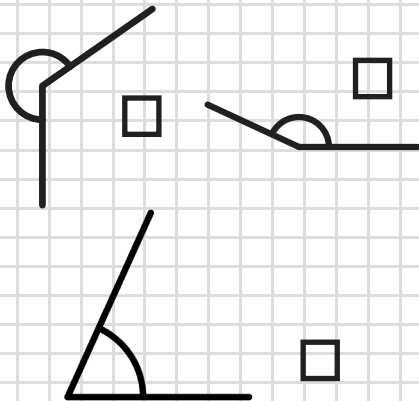


AE

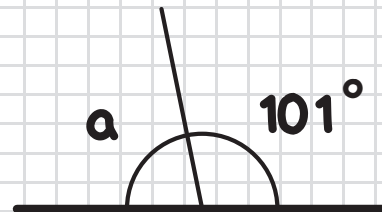
BF

CD

3 Pa onglau sy'n onglau 'atblyg'?



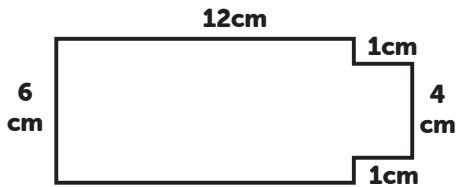
4 Beth yw maint ongl 'a'?



FY SGÔR DDIWETHAF?! .....

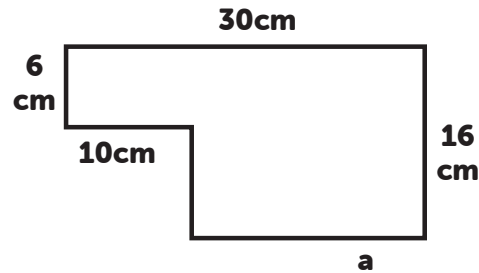
YDW I WEDI EI GURO?! .....

1 Beth yw'r perimeddr?



Perimeddr =

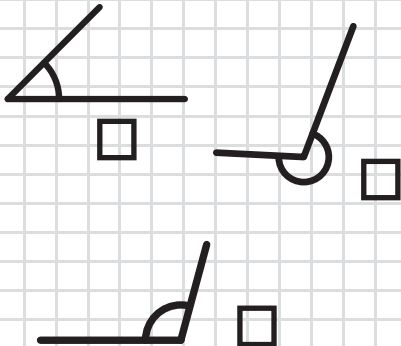
2 Beth yw hyd ymyl 'a'?



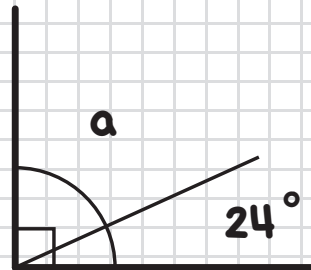
Perimeddr = 92cm

a =

3 Pa onglau sy'n onglau 'atblyg'?



4 Beth yw maint ongl 'a'?



5 Talgrynnwch i'r degfed agosaf.

9.37 →

7 <, > neu =

$\frac{1}{5}$    $\frac{4}{10}$

9  $\underline{\hspace{2cm}} \times 5 = 27 + 8$

6 Ysgrifennwch fel rhifau degol sy'n cyfateb

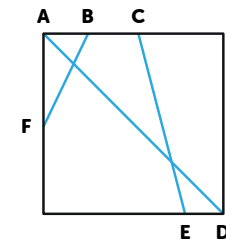
$\frac{2}{5} =$

$\frac{1}{5} =$

$\frac{4}{5} =$

8  $\frac{8}{10} - \frac{1}{5} = \frac{\hspace{1cm}}{5}$

10 Ticiwch y llinell letraws.

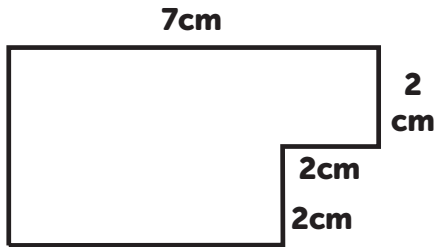


AD

BF

CE

1 Beth yw'r perimedr?



Perimedr =

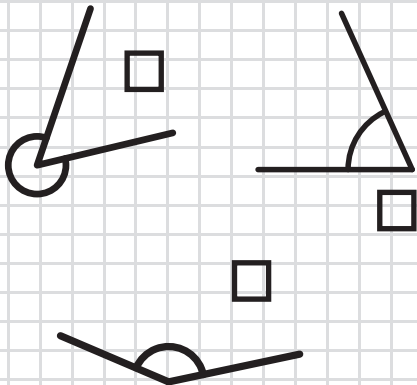
2 Beth yw hyd ymyl 'a'?



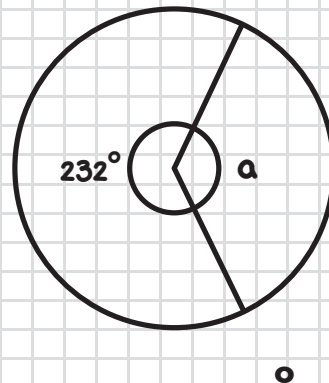
Perimedr = 16cm

a =

3 Pa onglau sy'n onglau 'atblyg'?



4 Beth yw maint ongl 'a'?



5 Talgrynnwch i'r degfed agosaf.

1.74 →

7 <, > neu =

$\frac{10}{50}$    $\frac{1}{5}$

9  $\underline{\hspace{2cm}} \div 5 = 40 \div 8$

6 Ysgrifennwch fel rhifau degol sy'n cyfateb

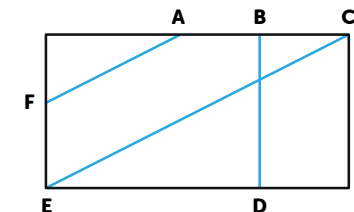
$\frac{1}{5} =$

$\frac{4}{5} =$

$\frac{2}{5} =$

8  $\frac{20}{30} - \frac{1}{3} = \frac{\hspace{1cm}}{3}$

10 Ticiwch y llinell letraws.



AF

BD

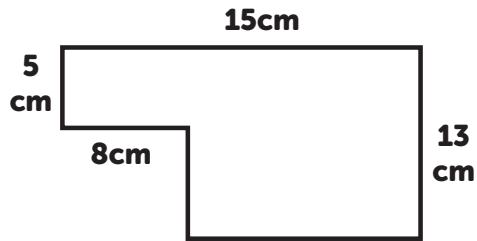
CE

FY SGÔR DDIWETHAF?!

YDW I WEDI EI GURO?!

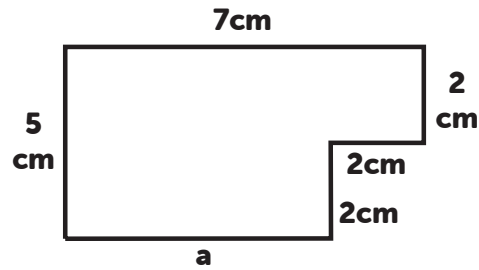


1 Beth yw'r perimedr?



Perimedr =

2 Beth yw hyd ymyl 'a'?



Perimedr = 23cm

a =

5 Talgrynnwch i'r degfed agosaf.

3.72 →

7 <, > neu =

$\frac{2}{5}$    $\frac{10}{50}$

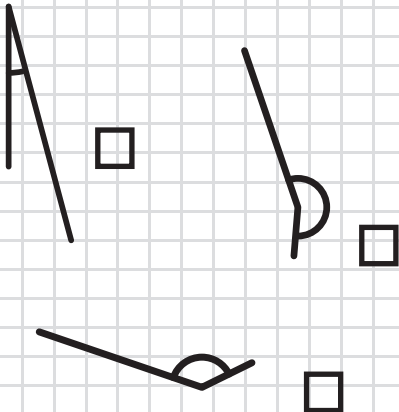
6 Ysgrifennwch fel rhifau degol sy'n cyfateb

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

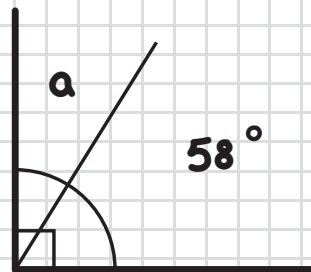
$$\frac{4}{5} =$$

$$\frac{1}{5} =$$

3 Pa onglau sy'n onglau 'atblyg'?

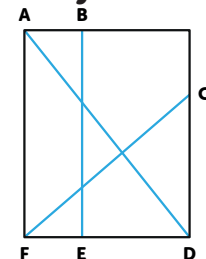


4 Beth yw maint ongl 'a'?



9  $\underline{\hspace{2cm}} \times 5 = 20 - 5$

10 Ticiwch y llinell letraws.



AD

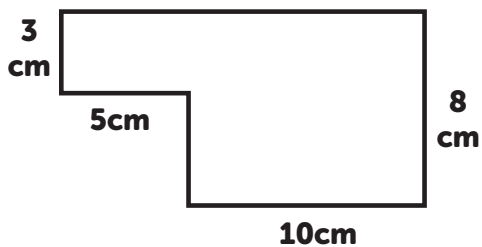
BE

CF

FY SGÔR DDIWETHAF?! .....

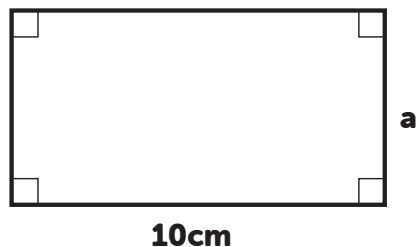
YDW I WEDI EI GURO?! .....

1 Beth yw'r perimedr?



Perimeddr = **46cm**

2 Beth yw hyd ymyl 'a'?



Perimeddr = 32cm

a = **6cm**

5 Talgrynnwch i'r rhif cyfan agosaf.

**4.73** → **5**

7 <, > neu =

$\frac{6}{10}$    $\frac{1}{2}$

9  $73 - 45 =$  **4** x 7

6 Ysgrifennwch fel rhifau degol sy'n cyfateb

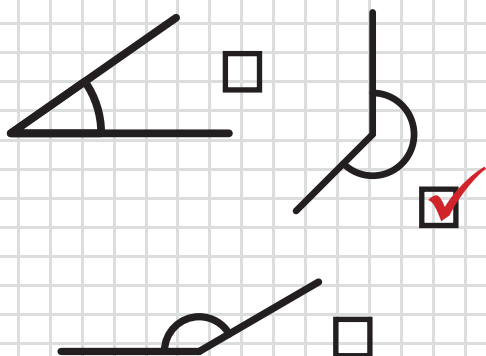
$\frac{1}{5} =$  **0.2**

$\frac{2}{5} =$  **0.4**

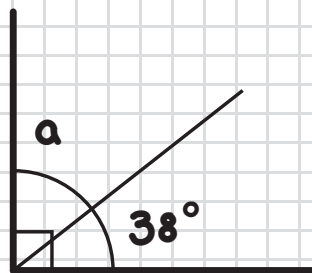
$\frac{4}{5} =$  **0.8**

8  $\frac{10}{50} + \frac{2}{5} = \frac{3}{5}$

3 Pa onglau sy'n onglau 'atblyg'?

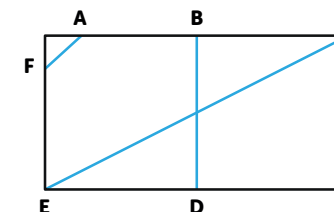


4 Beth yw maint ongl 'a'?



**52**

10 Ticiwch y llinell letraws.



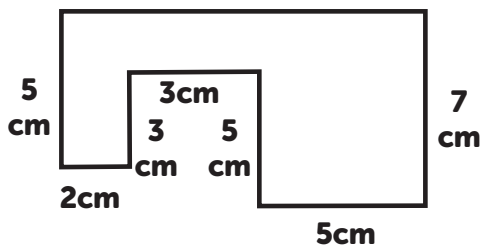
AF     BD     CE

FY SGÔR DDIWETHAF?!

YDW I WEDI EI GURO?!

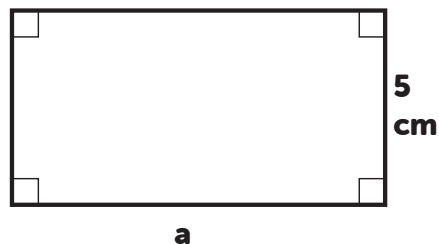


1 Beth yw'r perimedr?



Perimedr = **40cm**

2 Beth yw hyd ymyl 'a'?



Perimedr = 30cm

a = **10cm**

5 Talgrynnwch i'r degfed agosaf.

**6.12** → **6.1**

7 <, > neu =

$\frac{1}{2}$   =  $\frac{10}{20}$

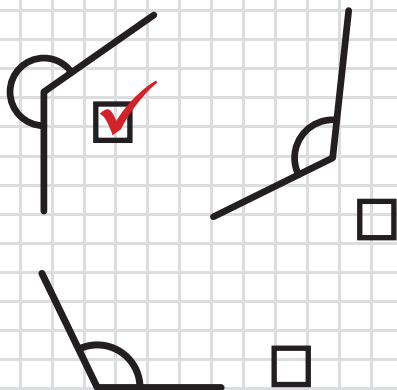
6 Ysgrifennwch fel rhifau degol sy'n cyfateb

$\frac{2}{5} = \mathbf{0.4}$

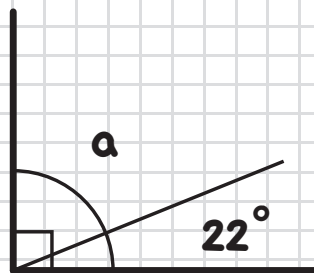
$\frac{4}{5} = \mathbf{0.8}$

$\frac{1}{5} = \mathbf{0.2}$

3 Pa onglau sy'n onglau 'atblyg'?



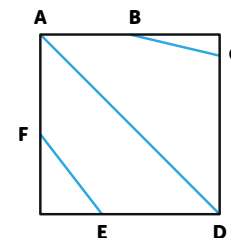
4 Beth yw maint ongl 'a'?



**68**

9  $10 + 25 = \mathbf{7} \times 5$

10 Ticiwch y llinell letraws.



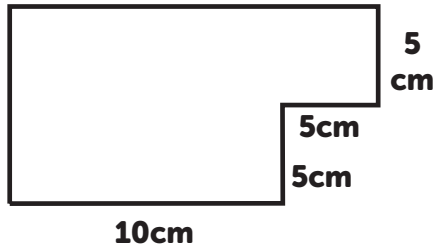
AD       BC       EF

FY SGÔR DDIWETHAF?!

YDW I WEDI EI GURO?!

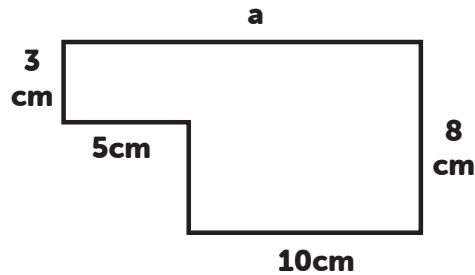


1 Beth yw'r perimedr?



Perimeddr = **50cm**

2 Beth yw hyd ymyl 'a'?



Perimeddr = 46cm

a = **15cm**

5 Talgrynnwch i'r degfed agosaf.

**1.65** → **1.7**

7 <, > neu =

$\frac{2}{6}$    $\frac{2}{3}$

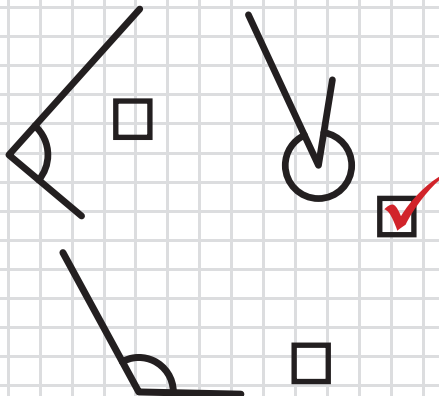
6 Ysgrifennwch fel rhifau degol sy'n cyfateb

$\frac{1}{5} = \mathbf{0.2}$

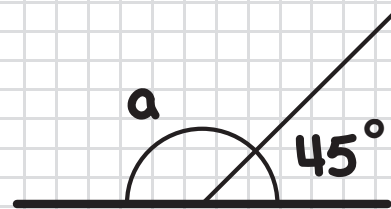
$\frac{4}{5} = \mathbf{0.8}$

$\frac{2}{5} = \mathbf{0.4}$

3 Pa onglau sy'n onglau 'atblyg'?



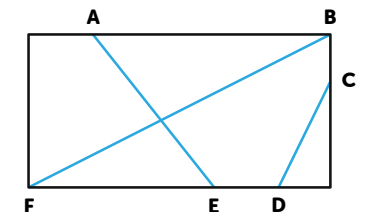
4 Beth yw maint ongl 'a'?



**135** °

9  $30 - 6 = \mathbf{3} \times 8$

10 Ticiwch y llinell letraws.



AE

BF

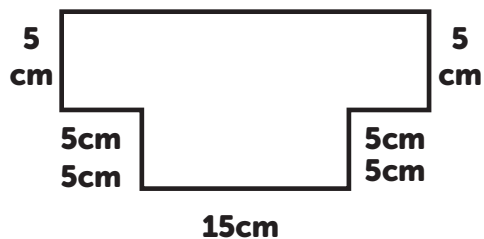
CD

FY SGÔR DDIWETHAF?!

YDW I WEDI EI GURO?!



1 Beth yw'r perimedr?



Perimeddr = **70cm**

2 Beth yw hyd ymyl 'a'?



Perimeddr = 42cm

a = **15cm**

5 Talgrynnwch i'r rhif cyfan agosaf.

$$3.14 \rightarrow 3$$

7 <, > neu =

$$\frac{2}{6} \quad \boxed{=} \quad \frac{1}{3}$$

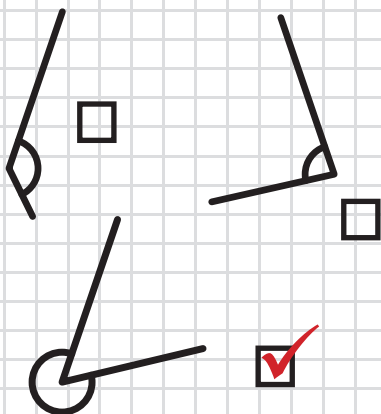
6 Ysgrifennwch fel rhifau degol sy'n cyfateb

$$\frac{4}{5} = \mathbf{0.8}$$

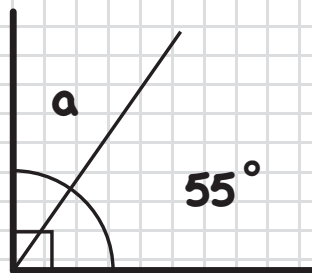
$$\frac{1}{5} = \mathbf{0.2}$$

$$\frac{2}{5} = \mathbf{0.4}$$

3 Pa onglau sy'n onglau 'atblyg'?



4 Beth yw maint ongl 'a'?

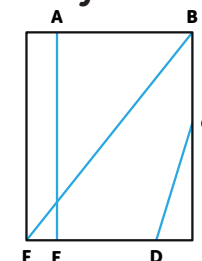


**35**

9

$$2 \times 8 = \mathbf{20} - 4$$

10 Ticiwch y llinell letraws.



AE

BF

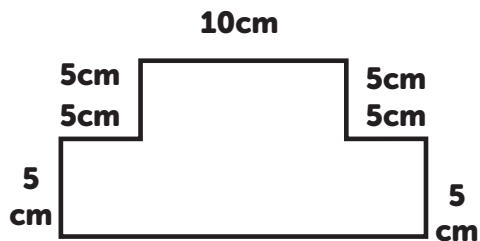
CD

FY SGÔR DDIWETHAF?!

YDW I WEDI EI GURO?!

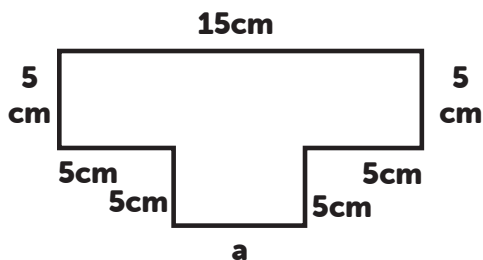


1 Beth yw'r perimedr?



Perimedr = **60cm**

2 Beth yw hyd ymyl 'a'?



Perimedr = 50cm

a = **5cm**

5 Talgrynnwch i'r degfed agosaf.

**7.35** → **7.4**

7 <, > neu =

$\frac{10}{30}$   =  $\frac{1}{3}$

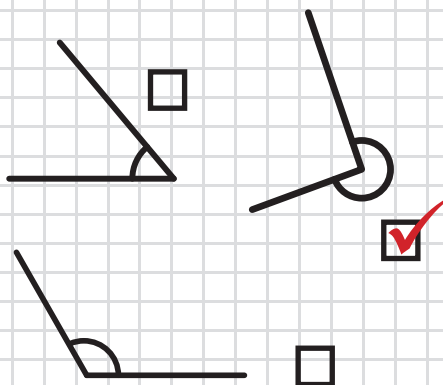
6 Ysgrifennwch fel rhifau degol sy'n cyfateb

$\frac{2}{5} = \mathbf{0.4}$

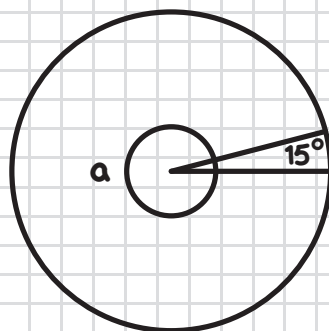
$\frac{4}{5} = \mathbf{0.8}$

$\frac{1}{5} = \mathbf{0.2}$

3 Pa onglau sy'n onglau 'atblyg'?



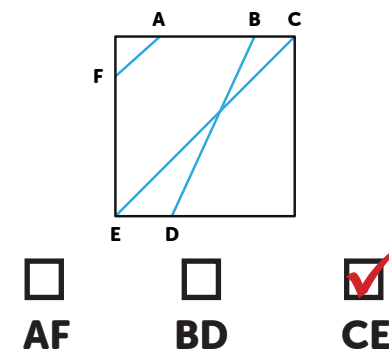
4 Beth yw maint ongl 'a'?



**345**

9  $22 - 2 = \mathbf{9} + 11$

10 Ticiwch y llinell letraws.



AF

BD

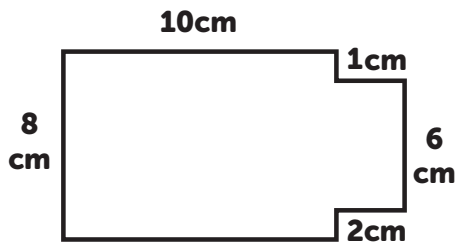
CE

FY SGÔR DDIWETHAF?!

YDW I WEDI EI GURO?!

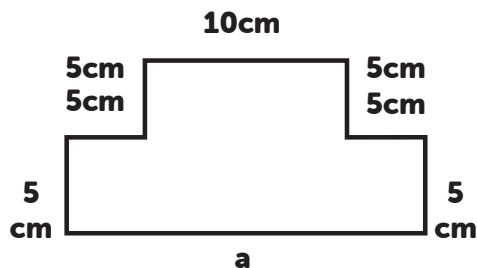


1 Beth yw'r perimedr?



Perimeddr = **40cm**

2 Beth yw hyd ymyl 'a'?



Perimeddr = 60cm

a = **20cm**

5 Talgrynnwch i'r degfed agosaf.

**4.71** → **4.7**

7 <, > neu =

$\frac{2}{3}$    $\frac{10}{30}$

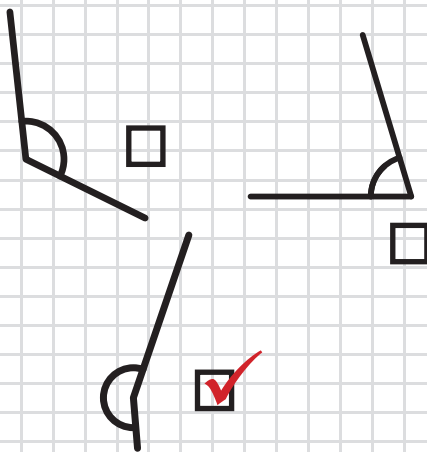
6 Ysgrifennwch fel rhifau degol sy'n cyfateb

$\frac{4}{5} = \mathbf{0.8}$

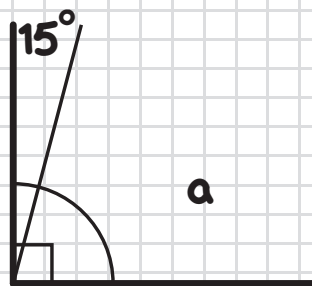
$\frac{2}{5} = \mathbf{0.4}$

$\frac{1}{5} = \mathbf{0.2}$

3 Pa onglau sy'n onglau 'atblyg'?



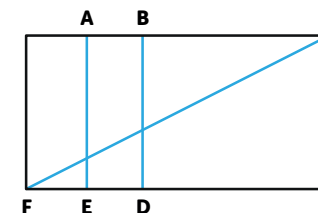
4 Beth yw maint ongl 'a'?



**75**

9  $3 \times 6 = \mathbf{36} \div 2$

10 Ticiwch y llinell letraws.



AE

BD

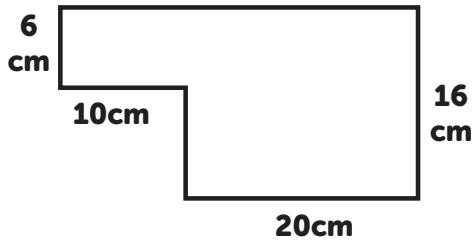
CF

FY SGÔR DDIWETHAF?!

YDW I WEDI EI GURO?!

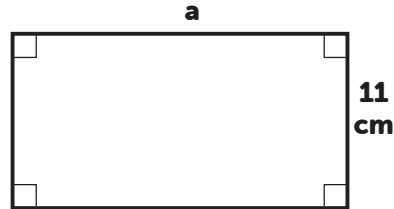


1 Beth yw'r perimedr?



Perimedr = **92cm**

2 Beth yw hyd ymyl 'a'?



Perimedr = 62cm

a = **20cm**

5 Talgrynnwch i'r rhif cyfan agosaf.

**2.54** → **3**

7 <, > neu =

$\frac{2}{3}$    $\frac{5}{15}$

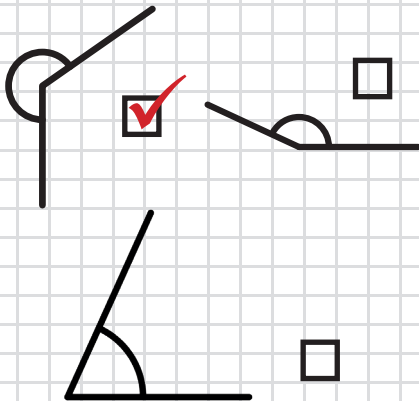
6 Ysgrifennwch fel rhifau degol sy'n cyfateb

$\frac{1}{5} = \mathbf{0.2}$

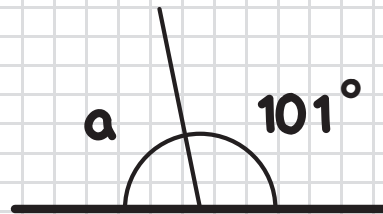
$\frac{4}{5} = \mathbf{0.8}$

$\frac{2}{5} = \mathbf{0.4}$

3 Pa onglau sy'n onglau 'atblyg'?



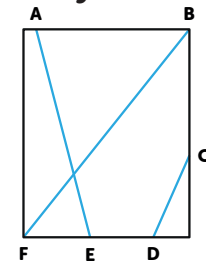
4 Beth yw maint ongl 'a'?



**79**

9  $40 \div 5 = 2 \times \mathbf{4}$

10 Ticiwch y llinell letraws.



AE

BF

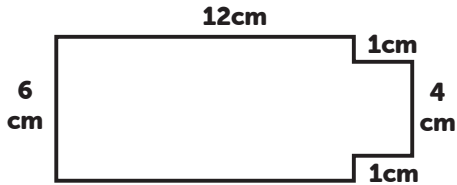
CD

FY SGÔR DDIWETHAF?!

YDW I WEDI EI GURO?!

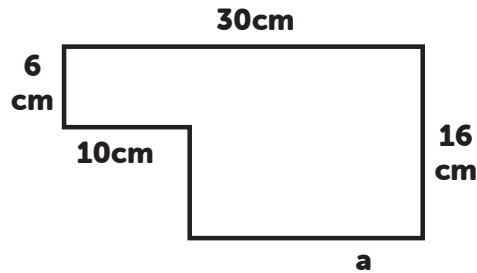


1 Beth yw'r perimedr?



Perimeddr = **38cm**

2 Beth yw hyd ymyl 'a'?



Perimeddr = 92cm

a = **20cm**

5 Talgrynnwch i'r degfed agosaf.

**9.37** → **9.4**

7 <, > neu =

$\frac{1}{5}$    $\frac{4}{10}$

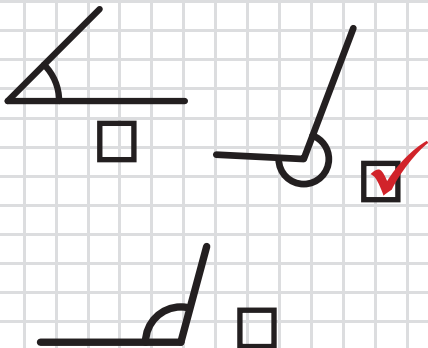
6 Ysgrifennwch fel rhifau degol sy'n cyfateb

$\frac{2}{5} = \mathbf{0.4}$

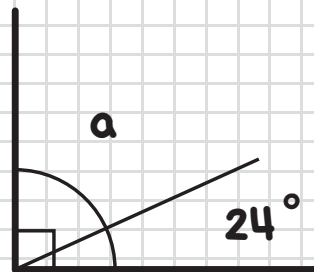
$\frac{1}{5} = \mathbf{0.2}$

$\frac{4}{5} = \mathbf{0.8}$

3 Pa onglau sy'n onglau 'atblyg'?



4 Beth yw maint ongl 'a'?

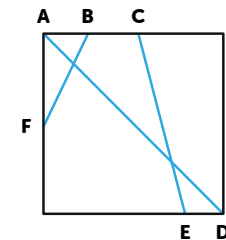


**66**

8  $\frac{8}{10} - \frac{1}{5} = \frac{3}{5}$

9  $\mathbf{7} \times 5 = 27 + 8$

10 Ticiwch y llinell letraws.



AD

BF

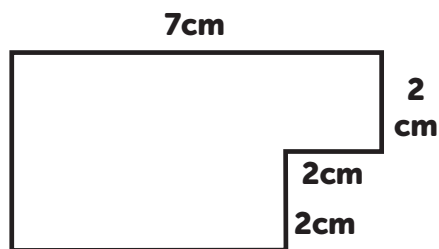
CE

FY SGÔR DDIWETHAF?!

YDW I WEDI EI GURO?!

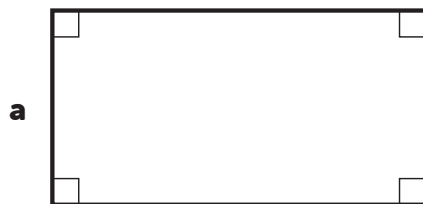


1 Beth yw'r perimedr?



Perimeddr = **22cm**

2 Beth yw hyd ymyl 'a'?



Perimeddr = 16cm

a = **3cm**

5 Talgrynnwch i'r degfed agosaf.

$$1.74 \rightarrow 1.7$$

7 <, > neu =

$$\frac{10}{50} \boxed{=} \frac{1}{5}$$

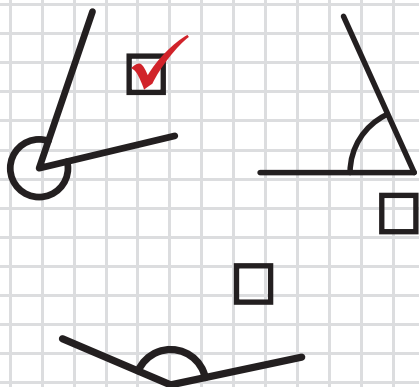
6 Ysgrifennwch fel rhifau degol sy'n cyfateb

$$\frac{1}{5} = 0.2$$

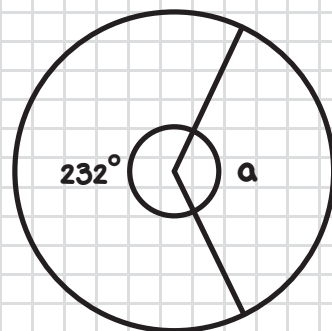
$$\frac{4}{5} = 0.8$$

$$\frac{2}{5} = 0.4$$

3 Pa onglau sy'n onglau 'atblyg'?



4 Beth yw maint ongl 'a'?

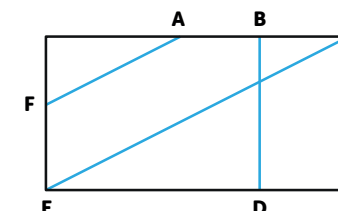


**128**

9

$$25 \div 5 = 40 \div 8$$

10 Ticiwch y llinell letraws.



AF

BD

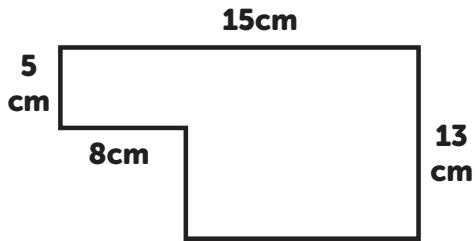
CE

FY SGÔR DDIWETHAF?!

YDW I WEDI EI GURO?!

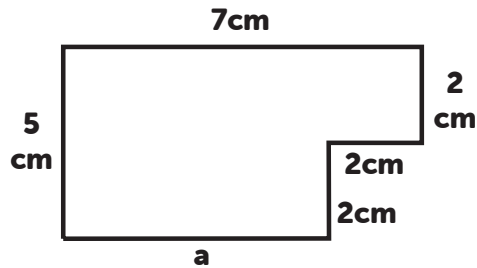


1 Beth yw'r perimedr?



Perimedr = **56cm**

2 Beth yw hyd ymyl 'a'?



Perimedr = 23cm

a = **5cm**

5 Talgrynnwch i'r degfed agosaf.

$$3.72 \rightarrow 3.7$$

7 <, > neu =

$$\frac{2}{5} \quad \boxed{>} \quad \frac{10}{50}$$

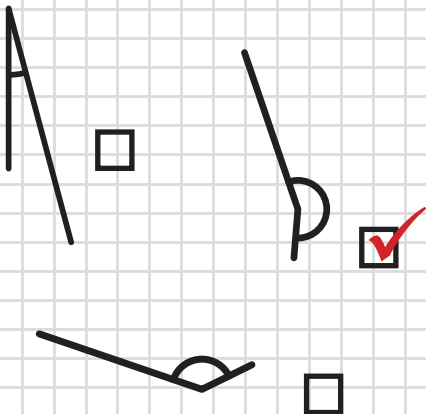
6 Ysgrifennwch fel rhifau degol sy'n cyfateb

$$\frac{2}{5} = \mathbf{0.4}$$

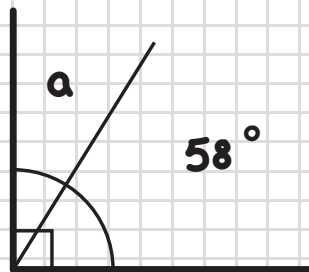
$$\frac{4}{5} = \mathbf{0.8}$$

$$\frac{1}{5} = \mathbf{0.2}$$

3 Pa onglau sy'n onglau 'atblyg'?



4 Beth yw maint ongl 'a'?

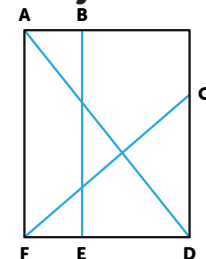


**32**

9

$$\mathbf{3} \times 5 = 20 - 5$$

10 Ticiwch y llinell letraws.



- AD       BE       CF

FY SGÔR DDIWETHAF?! .....

YDW I WEDI EI GURO?! .....

