

Part of

**BEAT  
THAT!**



Welsh Language

**The** **Big** **Maths**



**SAFE**

**Challenges!**

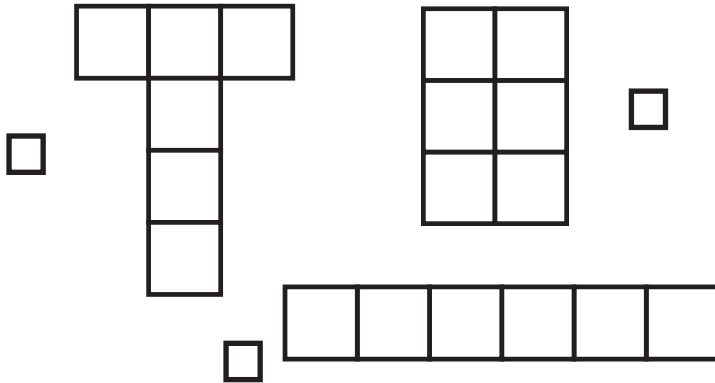
Thank you to Ysgol Gymraeg Treganna, Ysgol Gymraeg Glan Ceubal and Ysgol Morfa Rhianedd for their generous help in translating the SAFE Challenges to Welsh.



# Big Maths Beat That!: Teacher Notes

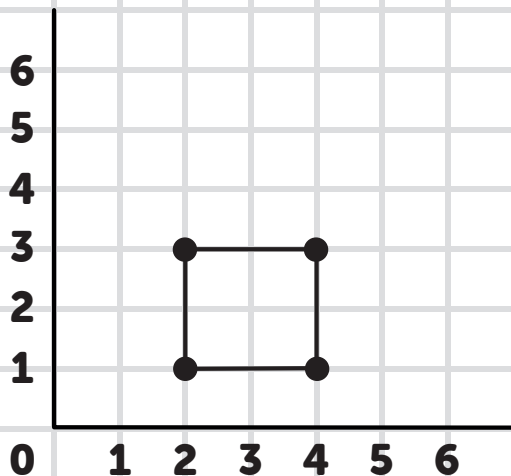
SAFE Challenge 17			
	Step Location in the SAFE framework		Title of Step
	Progress Drive	Step No.	
Q1	Shape: 3D Shapes	21	I recognise different nets of cubes
Q2	Shape: Position & Direction	26	I can move a shape in one direction
Q3	Amounts: Amounts of Turn	22	I can accurately estimate acute, obtuse and reflex angles
Q4	Fractions: Fractions of a Set	13	I can go beyond my tables to find fractions of an amount
Q5	Fractions: Fractions: Counting	18	I can identify fractions less than 1, more than 1 or equal to 1
Q6	Fractions: Fractions: Calculation	8	I can find equivalent fractions
Q7	Fractions: Fractions: Calculation	10	I can find equivalent fractions ready for calculating... and calculate with them
Q8	Explaining Data: Line Graphs	6	I can use a line graph to answer a range of information questions
Q9	Dangerous Maths: Pattern Spotting	14	I can spot a steady gap and use it to find 2 consecutive missing numbers
Q10	Dangerous Maths: Algebra	11	I can use my tables Learn Its to find the value of missing numbers represented by letters

1 Pa un yw rhwyd cywir ciwb?

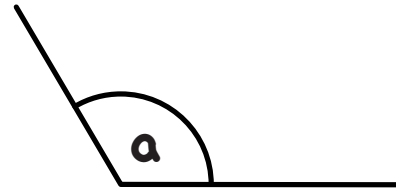


2

Trawsfudwch y siâp drwy gynyddu'r cyfesuryn 'x' o 2.



3 Amcangyfrifwch ongl 'a'



4

$$\frac{3}{5} \circ 735 =$$

5 Pa rai o'r ffracsiynau sy'n llai nag 1?

$$\frac{14}{13} \quad \frac{13}{14} \quad \frac{13}{13}$$

6

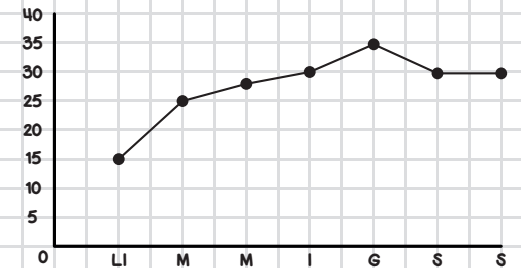
$$\frac{3}{4} = \frac{\quad}{16}$$

7

$$\frac{15}{16} - \frac{3}{4} =$$

8

Aeth Steve i redeg bob dydd. Lluniodd graff llinell i ddangos sawl munud redodd bob dydd.



Sawl diwrnod wnaeth o redeg am fwy na 25 munud?

9

Cwblhewch y patrwm rhif

150, 161, 172, ,

10

$$4 \times = 24$$

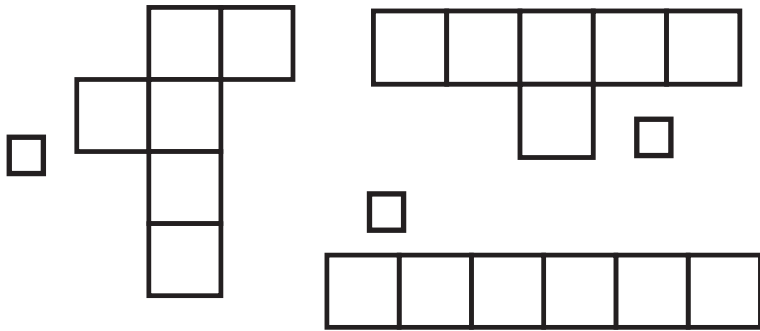
$$\times =$$

FY SGÔR DDIWETHAF? .....

YDW I WEDI EI GURO? .....

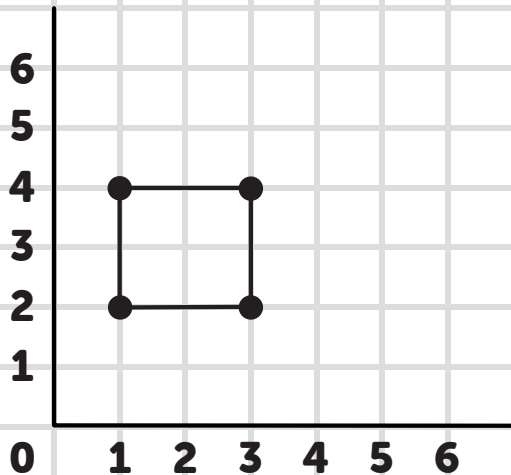


1 Pa un yw rhwyd cywir ciwb?

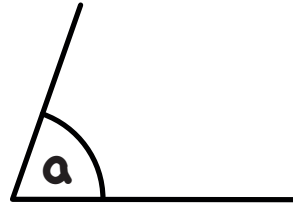


2

Trawsfudwch y siâp drwy gynyddu'r cyfesuryn 'y' o 1.



3 Amcangyfrifwch ongl 'a'



4

$$\frac{2}{6} \circ 216 =$$

5 Pa rai o'r ffracsiynau sy'n fwy nag 1?

$$\frac{15}{14} \quad \frac{14}{14} \quad \frac{13}{13}$$

6

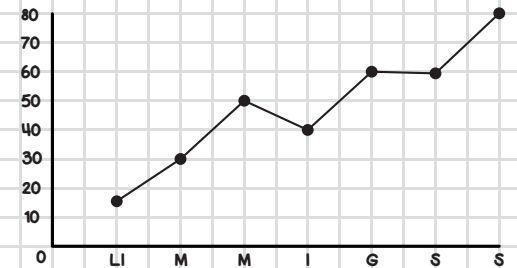
$$\frac{2}{3} = \frac{\quad}{18}$$

7

$$\frac{7}{8} - \frac{3}{16} =$$

8

Cyfrodd Anna sawl cwningen oedd yn y cae bob dydd.



Sawl cwningen gwelodd hi dros y penwythnos?

9

Cwblhewch y patrwm rhif

214, 228, 242, ,

10

$$5 \times = 35$$

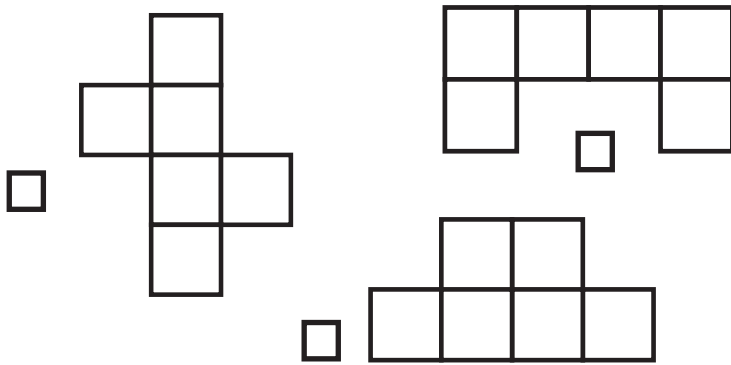
$$\times =$$

FY SGÔR DDIWETHAF?!

YDW I WEDI EI GURO?!

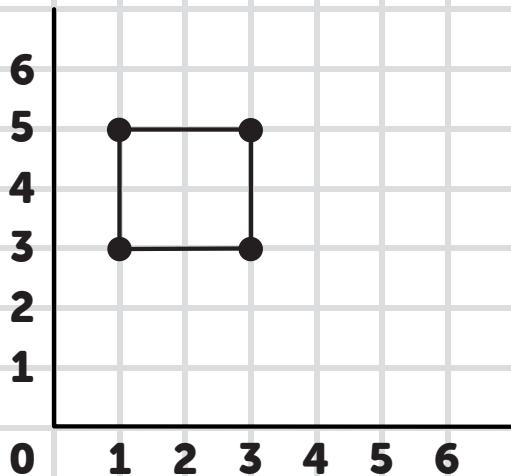


1 Pa un yw rhwyd cywir ciwb?

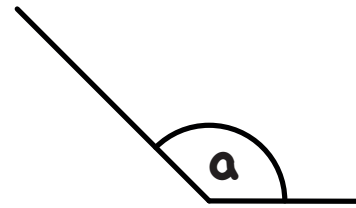


2

Trawsfudwch y siâp drwy gynyddu'r cyfesuryn 'x' o 3.



3 Amcangyfrifwch ongl 'a'



4

$$\frac{3}{7} \circ 112 =$$

5 Pa rai o'r ffracsiynau sy'n hafal i 1?

$$\frac{16}{17} \quad \frac{16}{16} \quad \frac{15}{16}$$

6

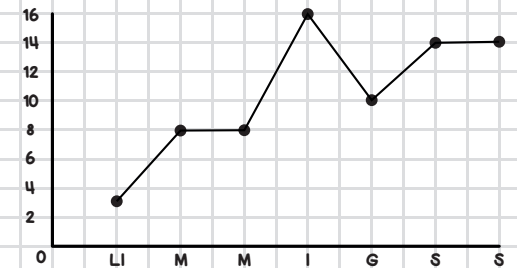
$$\frac{3}{10} = \frac{\quad}{30}$$

7

$$\frac{4}{6} - \frac{7}{18} =$$

8

Cofnododd James sawl hyd nofiodd am wythnos.



Pa ddiwrnod nofiodd James y mwyaf o hydroedd?

9

Cwblhewch y patrwm rhif

330, 315, 300, ,

10

$$4 \times = 28$$

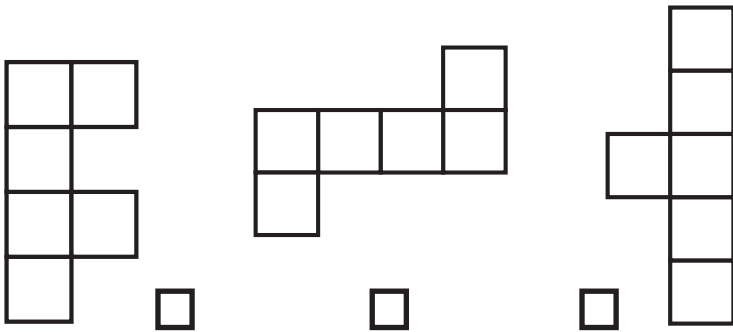
$$\times =$$

FY SGÔR DDIWETHAF?!

YDW I WEDI EI GURO?!

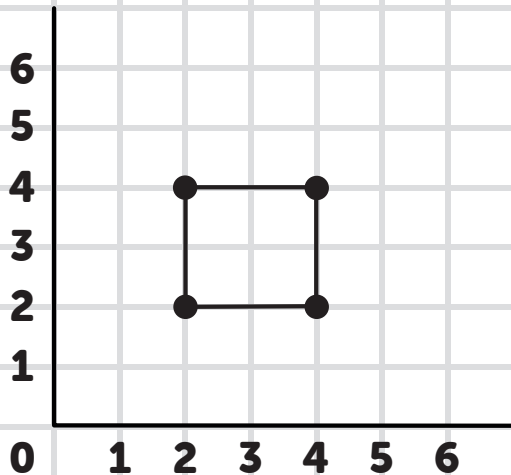


1 Pa un yw rhwyd cywir ciwb?



2

Trawsfudwch y siâp drwy gynyddu'r cyfesuryn 'y' o 1.



3 Amcangyfrifwch ongl 'a'



4

$$\frac{2}{5} \circ 85 =$$

5 Pa rai o'r ffracsiynau sy'n fwy nag 1?

$$\frac{15}{15} \quad \frac{18}{17} \quad \frac{15}{16}$$

6

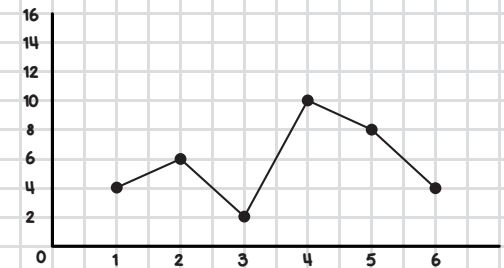
$$\frac{3}{4} = \frac{\quad}{20}$$

7

$$\frac{11}{15} + \frac{1}{5} =$$

8

Cofnododd Alex sawl gôl sgoriodd hi dros 6 mis.



Sawl gôl sgoriodd Alex yn misoedd 4, 5 a 6?

9

Cwblhewch y patrwm rhif

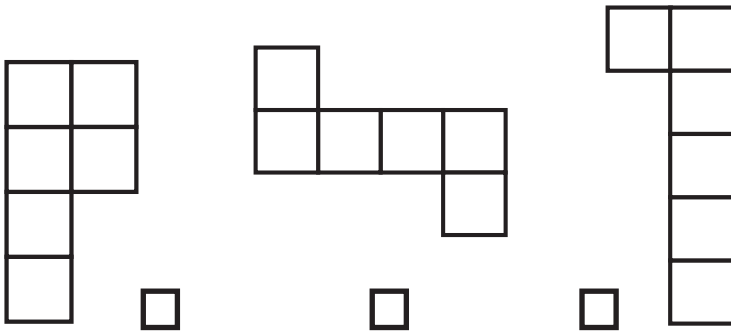
431, 445, 459, ,

10

$$2x = 16$$

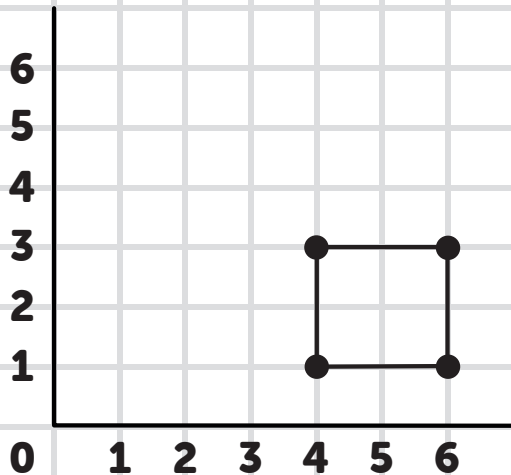
$$x =$$

1 Pa un yw rhwyd cywir ciwb?



2

Trawsfudwch y siâp drwy gynyddu'r cyfesuryn 'y' o 2.



3 Amcangyfrifwch ongl 'a'



4

$$\frac{5}{8} \circ 144 =$$

5

Pa rai o'r ffracsiynau sy'n llai nag 1?

$$\frac{12}{13} \quad \frac{14}{14} \quad \frac{16}{15}$$

6

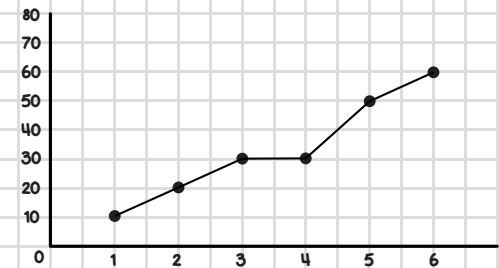
$$\frac{4}{5} = \frac{\quad}{15}$$

7

$$\frac{1}{6} + \frac{3}{24} =$$

8

Cofnododd ddosbarth cyfanswm y glawiad dros 6 wythnos.



Ym mha wythnos oedd y glawiad lleiaf?

9

Cwblhewch y patrwm rhif

720, 709, 698, ,

10

$$7x = 49$$

$$x =$$

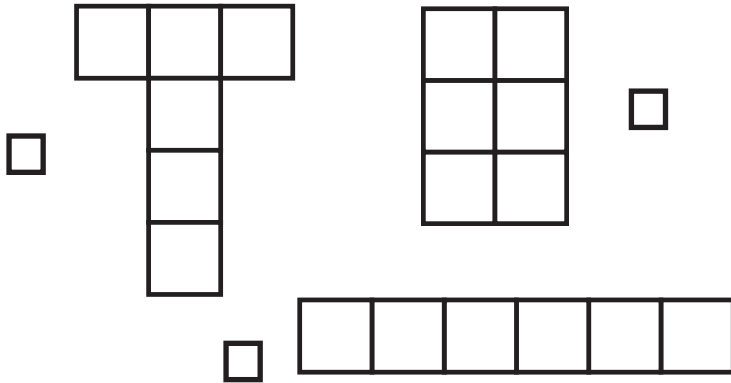


FY SGÔR DDIWETHAF?!

YDW I WEDI EI GURO?!

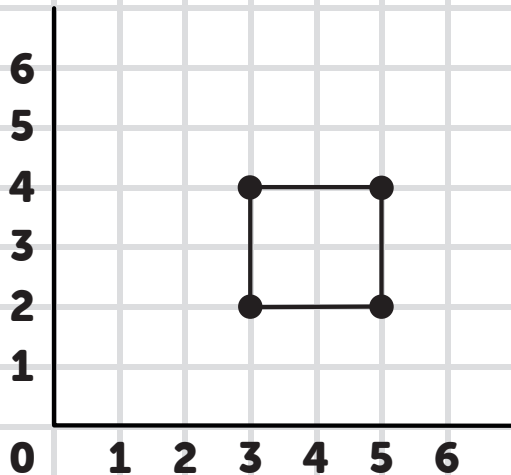


1 Pa un yw rhwyd cywir ciwb?

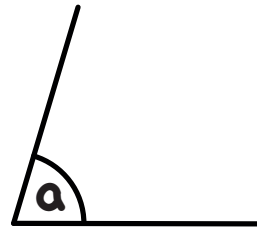


2

Trawsfudwch y siâp drwy gynyddu'r cyfesuryn 'x' o 1.



3 Amcangyfrifwch ongl 'a'



4

$$\frac{6}{9} \circ 153 =$$

5 Pa rai o'r ffracsiynau sy'n hafal i 1?

$$\frac{17}{17} \quad \frac{15}{16} \quad \frac{16}{15}$$

6

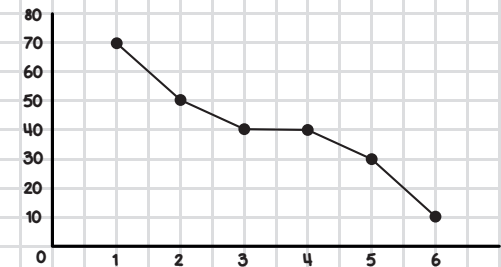
$$\frac{6}{10} = \frac{\quad}{40}$$

7

$$\frac{5}{9} + \frac{1}{18} =$$

8

Cofnododd siop eu stoc o fariau siocled dros 6 wythnos.



Pa wythnos oedd gan y siop 50 o fariau siocled dros ben?

9

Cwblhewch y patrwm rhif

120, 140, 160, ,

10

$$6 \times = 36$$

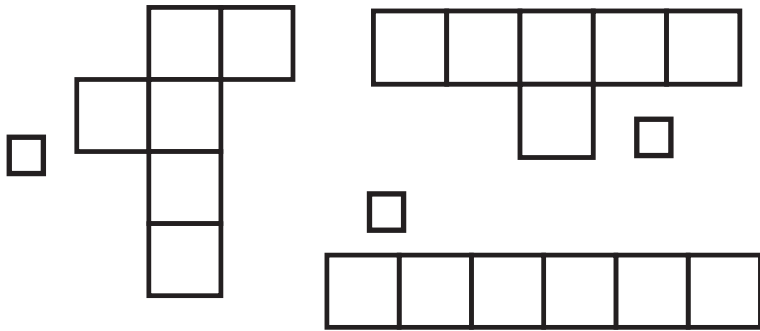
$$\times =$$

FY SGÔR DDIWETHAF?! .....

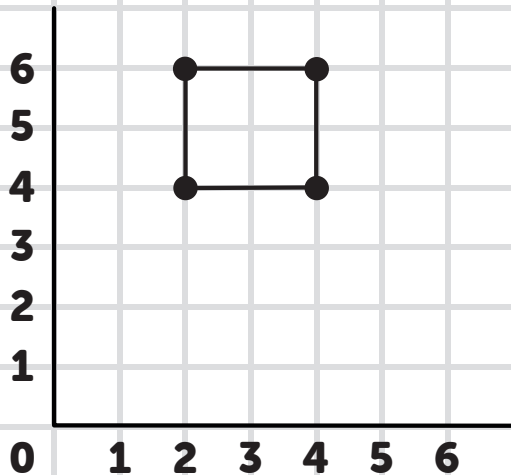
YDW I WEDI EI GURO?! .....



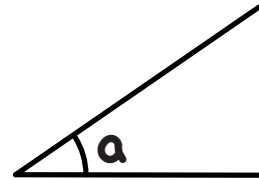
1 Pa un yw rhwyd cywir ciwb?



2 Trawsfudwch y siâp drwy gynyddu'r cyfesuryn 'y' o 2.



3 Amcangyfrifwch ongl 'a'



4  $\frac{5}{7} \circ 161 =$

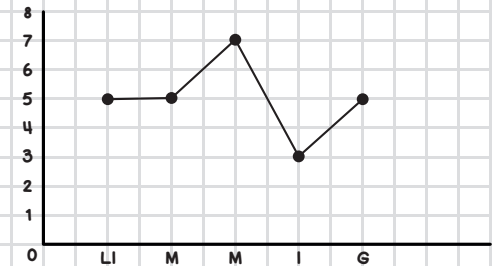
5 Pa rai o'r ffracsiynau sy'n hafal i 1?

$\frac{14}{15}$      $\frac{15}{14}$      $\frac{14}{14}$

6  $\frac{1}{5} = \frac{\quad}{25}$

7  $\frac{7}{8} - \frac{3}{24} =$

8 Cofnododd ddsbarth sawl disgybl ddeffrodd yn hwyr dros wythnos.



Sawl disgybl ddeffrodd yn hwyr Dydd Mawrth a Mercher?

9 Cwblhewch y patrwm rhif

255, 242, 229, ,

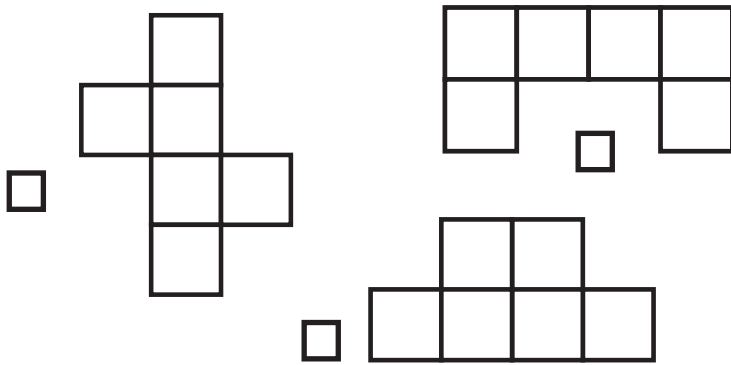
10  $3x = 21$   
 $x =$

FY SGÔR DDIWETHAF?! .....

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

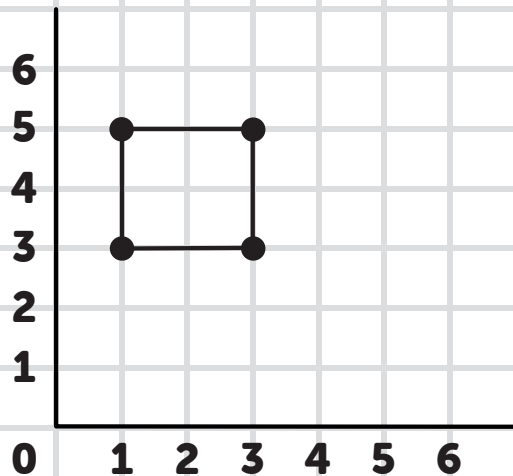


1 Pa un yw rhwyd cywir ciwb?

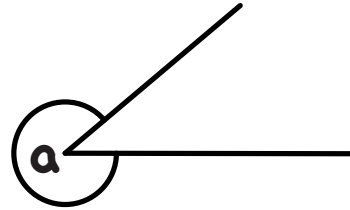


2

Trawsfudwch y siâp drwy gynyddu'r cyfesuryn 'x' o 1.



3 Amcangyfrifwch ongl 'a'



4

$$\frac{3}{5} \circ 115 =$$

5 Pa rai o'r ffracsiynau sy'n llai nag 1?

$$\frac{13}{13} \quad \frac{15}{14} \quad \frac{13}{14}$$

6

$$\frac{2}{4} = \frac{\quad}{12}$$

7

$$\frac{1}{7} + \frac{1}{14} =$$

8

Cofnododd dîm Pêl-droed eu tali o goliau bob mis am dymor.



Sawl gôl sgoriodd y tim yn ystod misoedd 5 a 6?

9

Cwblhewch y patrwm rhif

301, 319, 337, ,

10

$$8 \times = 24$$

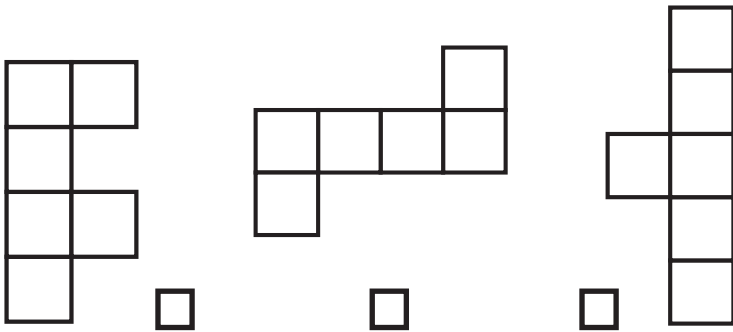
$$\times =$$

FY SGÔR DDIWETHAF?!

YDW I WEDI EI GURO?!

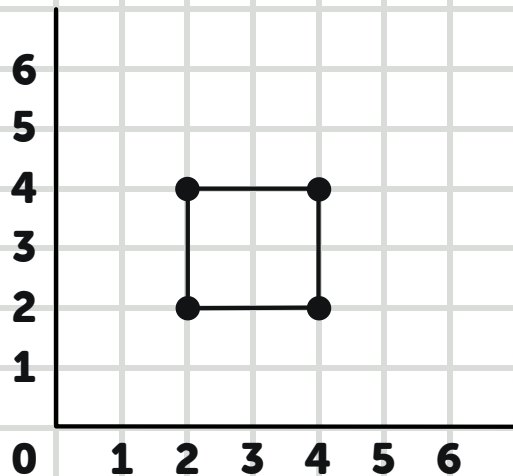


1 Pa un yw rhwyd cywir ciwb?

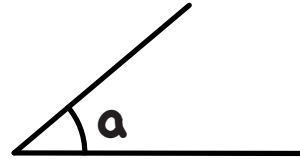


2

Trawsfudwch y siâp drwy gynyddu'r cyfesuryn 'y' o 1.



3 Amcangyfrifwch ongl 'a'



4

$$\frac{7}{8} \circ 136 =$$

5 Pa rai o'r ffracsiynau sy'n fwy nag 1?

$$\frac{17}{17} \quad \frac{16}{17} \quad \frac{17}{16}$$

6

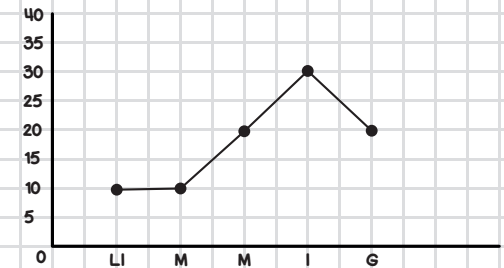
$$\frac{1}{2} = \frac{\quad}{8}$$

7

$$\frac{2}{8} + \frac{11}{32} =$$

8

Cofnododd ddsbarth y nifer o geir aeth heibio'r ysgol dros wythnos.



Pa ddiwrnod aeth y nifer fwyaf o geir heibio'r ysgol?

9

Cwblhewch y patrwm rhif

145, 131, 117, ,

10

$$9 \times = 45$$

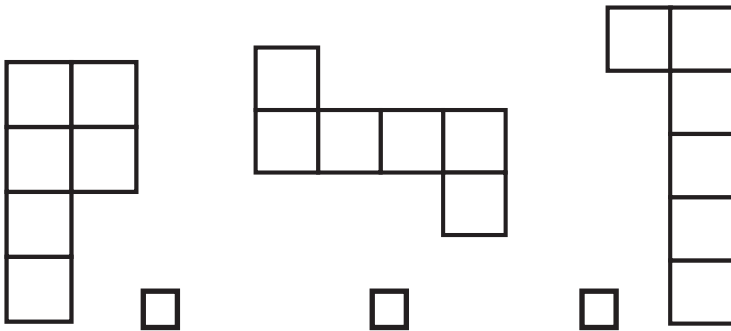
$$\times =$$

FY SGÔR DDIWETHAF?!

YDW I WEDI EI GURO?!

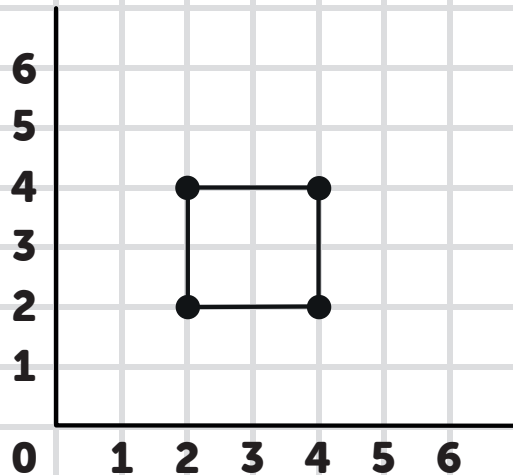


1 Pa un yw rhwyd cywir ciwb?

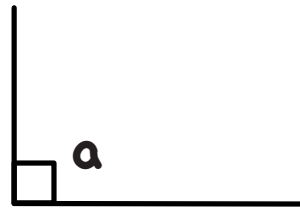


2

Trawsfudwch y siâp drwy gynyddu'r cyfesuryn 'x' o 2.



3 Amcangyfrifwch ongl 'a'



4

$$\frac{8}{9} \circ 162 =$$

5

Pa rai o'r ffracsiynau sy'n hafal i 1?

$$\frac{18}{19} \quad \frac{19}{18} \quad \frac{19}{19}$$

6

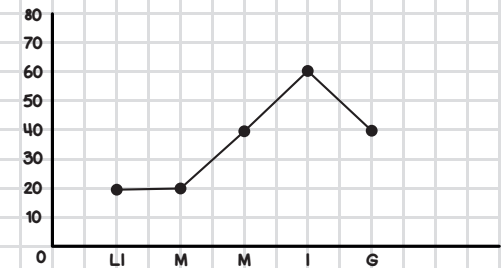
$$\frac{1}{4} = \frac{\quad}{20}$$

7

$$\frac{6}{8} - \frac{19}{32} =$$

8

Cofnododd dim sawl pwynt sgorion nhw yn ystod ymarferion dros wythnos.



Sawl pwynt sgorion nhw ddydd lau a Gwener?

9

Cwblhewch y patrwm rhif

400, 417, 434, ,

10

$$5 \times = 40$$

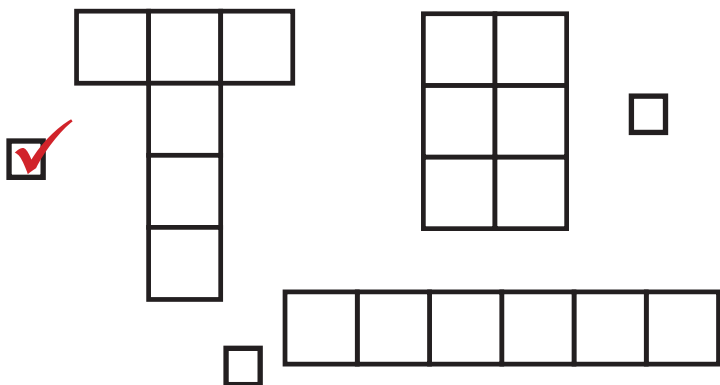
$$\times =$$

FY SGÔR DDIWETHAF?! .....

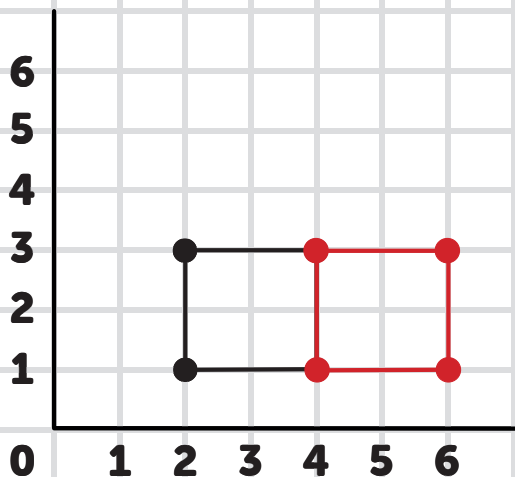
YDW I WEDI EI GURO?! .....



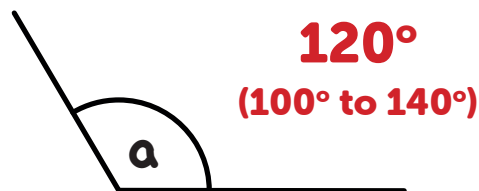
1 Pa un yw rhwyd cywir ciwb?



2 Trawsfudwch y siâp drwy gynyddu'r cyfesuryn 'x' o 2.



3 Amcangyfrifwch ongl 'a'



4  $\frac{3}{5} \circ 735 =$   
**441**

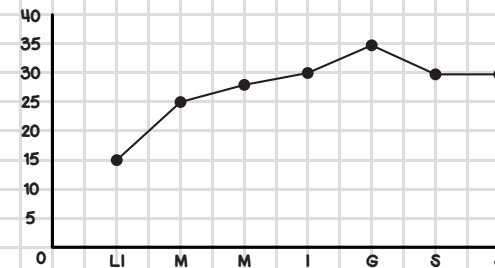
5 Pa rai o'r ffracsiynau sy'n llai nag 1?

$\frac{14}{13}$   $\frac{13}{14}$   $\frac{13}{13}$

6  $\frac{3}{4} = \frac{12}{16}$

7  $\frac{15}{16} - \frac{3}{4} = \frac{3}{16}$

8 Aeth Steve i redeg bob dydd. Lluniodd graff llinell i ddangos sawl munud redodd bob dydd.



Sawl diwrnod wnaeth o redeg am fwy na 25 munud?

**5 diwrnod**

9 Cwblhewch y patrwm rhif

150, 161, 172, **183** , **194**

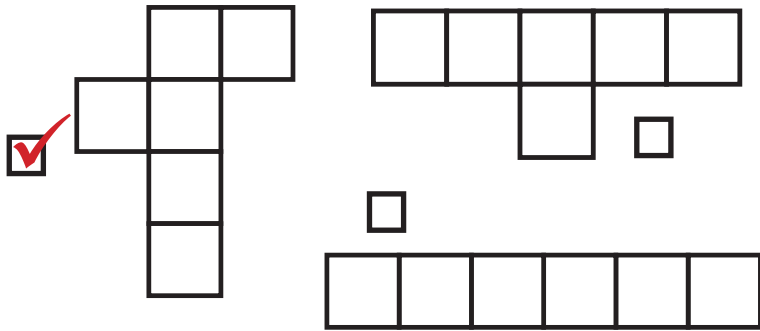
10  $4 \times = 24$   
 $\times = 6$

FY SGÔR DDIWETHAF?!

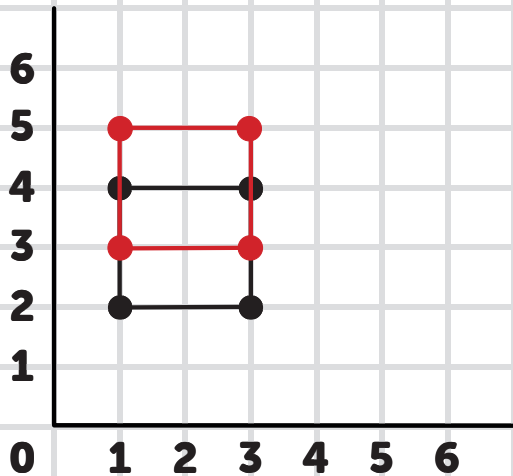
YDW I WEDI EI GURO?!



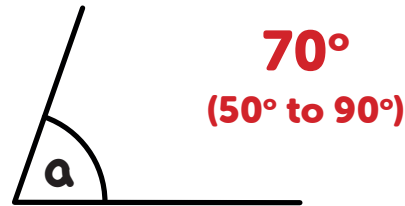
1 Pa un yw rhwyd cywir ciwb?



2 Trawsfudwch y siâp drwy gynyddu'r cyfesuryn 'y' o 1.



3 Amcangyfrifwch ongl 'a'



**70°**  
(50° to 90°)

4  $\frac{2}{6} \circ 216 =$   
**72**

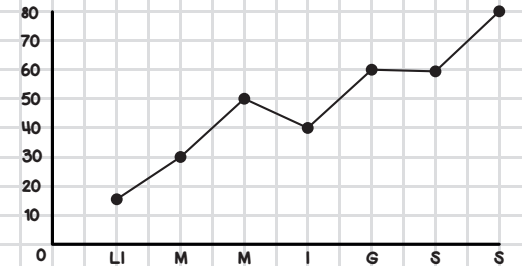
5 Pa rai o'r ffracsiynau sy'n fwy nag 1?

$\frac{15}{14}$     $\frac{14}{14}$     $\frac{13}{13}$

6  $\frac{2}{3} = \frac{12}{18}$

7  $\frac{7}{8} - \frac{3}{16} = \frac{11}{16}$

8 Cyfrodd Anna sawl cwningen oedd yn y cae bob dydd.



Sawl cwningen gwelodd hi dros y penwythnos?

**140 o gwningod**

9 Cwblhewch y patrwm rhif

214, 228, 242, **256**, **270**

10  $5 \times = 35$   
 $\times = 7$

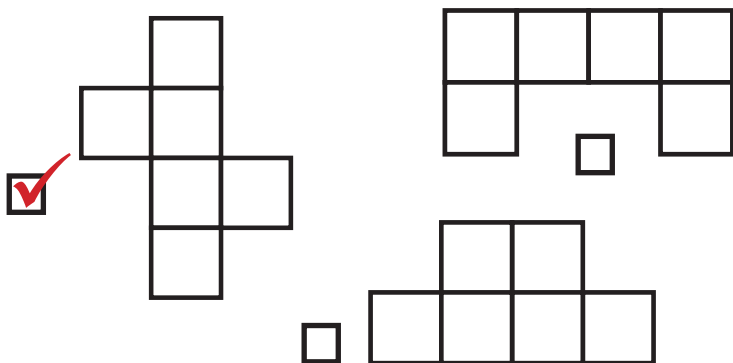


FY SGÔR DDIWETHAF?!

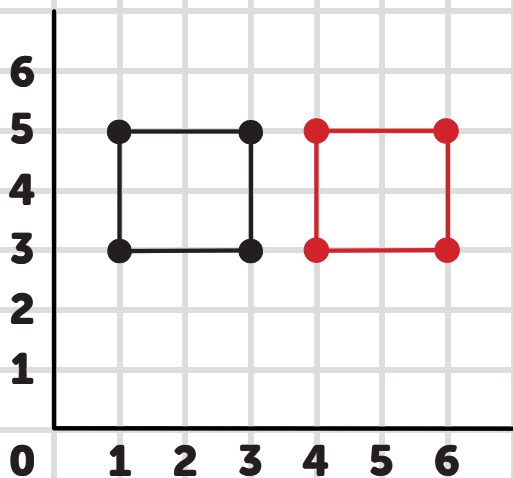
YDW I WEDI EI GURO?!



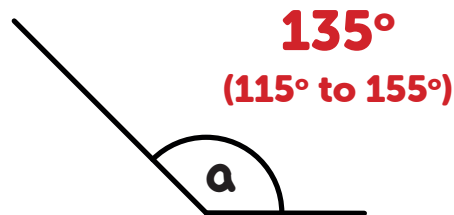
1 Pa un yw rhwyd cywir ciwb?



2 Trawsfudwch y siâp drwy gynyddu'r cyfesuryn 'x' o 3.



3 Amcangyfrifwch ongl 'a'



4  $\frac{3}{7} \circ 112 =$   
**48**

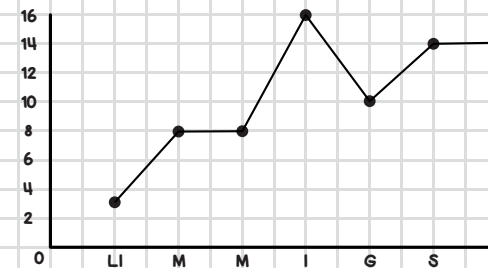
5 Pa rai o'r ffracsiynau sy'n hafal i 1?

$\frac{16}{17}$   $\frac{16}{16}$   $\frac{15}{16}$

6  $\frac{3}{10} = \frac{9}{30}$

7  $\frac{4}{6} - \frac{7}{18} = \frac{5}{18}$

8 Cofnododd James sawl hyd nofiodd am wythnos.



Pa ddiwrnod nofiodd James y mwyaf o hydroedd?

**Dydd Iau**

9 Cwblhewch y patrwm rhif

330, 315, 300, **285**, **270**

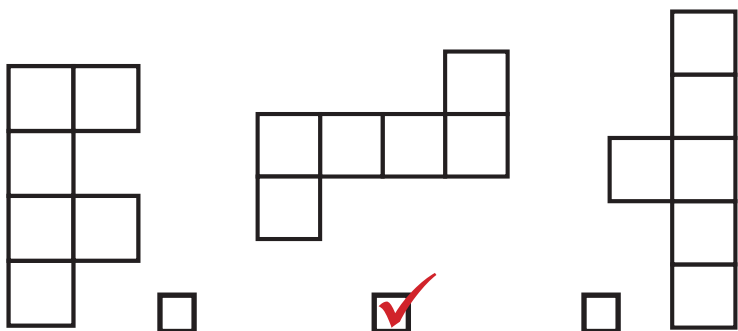
10  $4 \times = 28$   
 $\times = 7$

FY SGÔR DDIWETHAF? .....

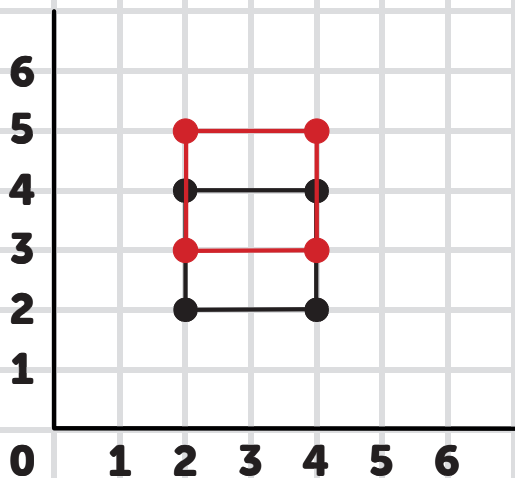
YDW I WEDI EI GURO? .....



1 Pa un yw rhwyd cywir ciwb?



2 Trawsfudwch y siâp drwy gynyddu'r cyfesuryn 'y' o 1.



3 Amcangyfrifwch ongl 'a'

**190°**  
(170° to 210°)



4  $\frac{2}{5} \text{ o } 85 =$

**34**

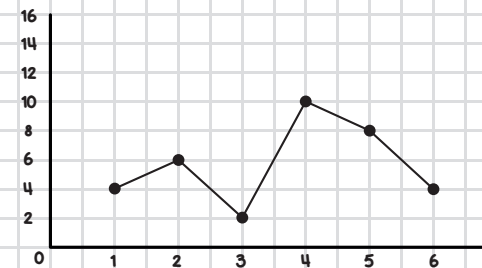
5 Pa rai o'r ffracsiynau sy'n fwy nag 1?

$\frac{15}{15}$   $\frac{18}{17}$   $\frac{15}{16}$

6  $\frac{3}{4} = \frac{15}{20}$

7  $\frac{11}{15} + \frac{1}{5} = \frac{14}{15}$

8 Cofnododd Alex sawl gôl sgoriodd hi dros 6 mis.



Sawl gôl sgoriodd Alex yn misoedd 4, 5 a 6?

**22 gôl**

9 Cwblhewch y patrwm rhif

431, 445, 459, **473** , **487**

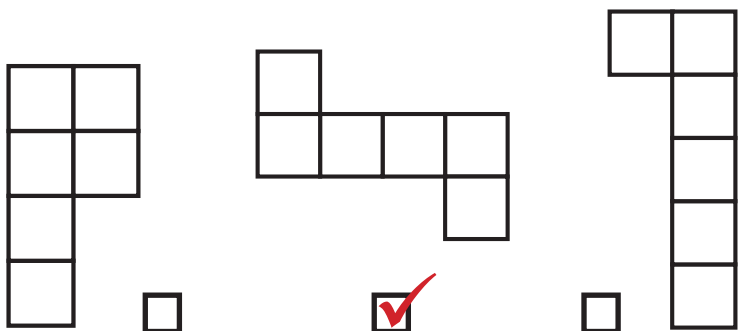
10  $2x = 16$   
 $x = 8$

FY SGÔR DDIWETHAF?!

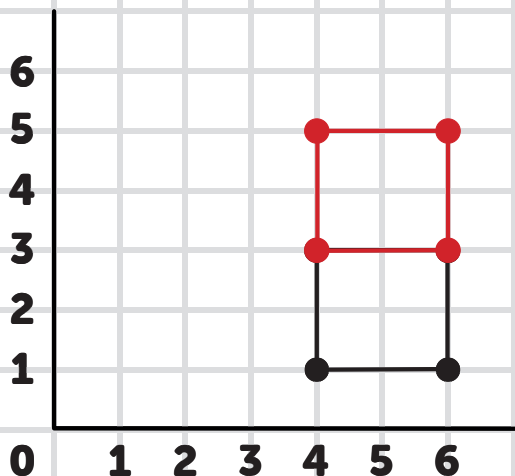
YDW I WEDI EI GURO?!



1 Pa un yw rhwyd cywir ciwb?



2 Trawsfudwch y siâp drwy gynyddu'r cyfesuryn 'y' o 2.



3 Amcangyfrifwch ongl 'a'

**160°**  
(140° to 180°)



4  $\frac{5}{8} \text{ o } 144 =$

**90**

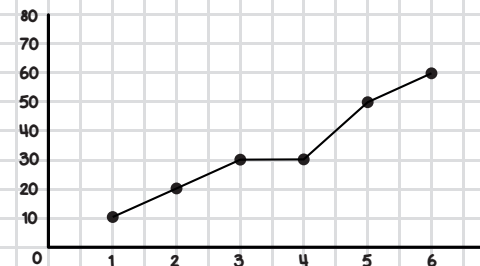
5 Pa rai o'r ffracsiynau sy'n llai nag 1?

$\frac{12}{13}$     $\frac{14}{14}$     $\frac{16}{15}$

6  $\frac{4}{5} = \frac{12}{15}$

7  $\frac{1}{6} + \frac{3}{24} = \frac{7}{24}$

8 Cofnododd ddsbarth cyfanswm y glawiad dros 6 wythnos.



Ym mha wythnos oedd y glawiad lleiaf?

**Wythnos 1**

9 Cwblhewch y patrwm rhif

720, 709, 698, **687** , **676**

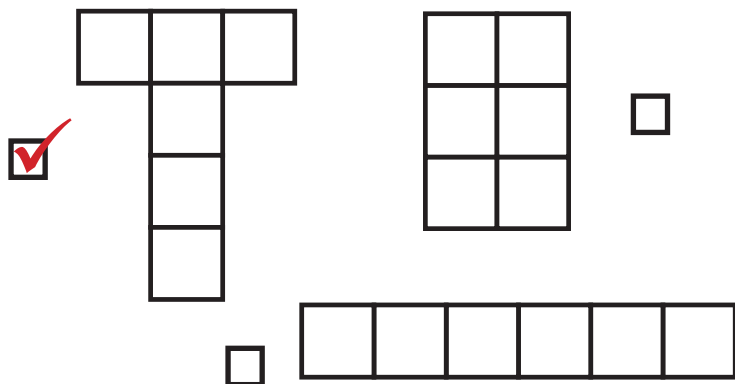
10  $7x = 49$   
 $x = 7$

FY SGÔR DDIWETHAF?!

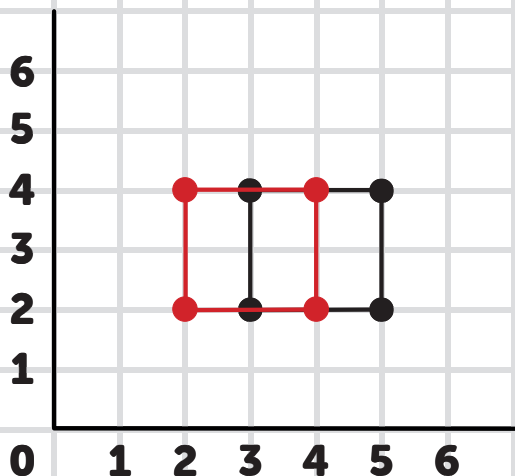
YDW I WEDI EI GURO?!



1 Pa un yw rhwyd cywir ciwb?



2 Trawsfudwch y siâp drwy gynyddu'r cyfesuryn 'x' o 1.



3 Amcangyfrifwch ongl 'a'



4  $\frac{6}{9} \circ 153 =$

**102**

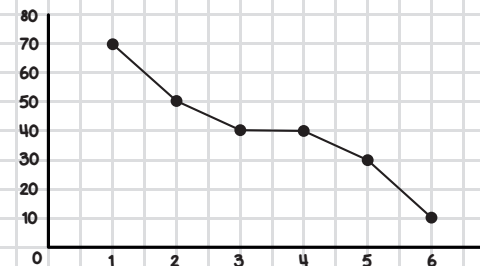
5 Pa rai o'r ffracsiynau sy'n hafal i 1?

$\frac{17}{17}$     $\frac{15}{16}$     $\frac{16}{15}$

6  $\frac{6}{10} = \frac{24}{40}$

7  $\frac{5}{9} + \frac{1}{18} = \frac{11}{18}$

8 Cofnododd siop eu stoc o fariau siocled dros 6 wythnos.



Pa wythnos oedd gan y siop 50 o fariau siocled dros ben?

**Wythnos 2**

9 Cwblhewch y patrwm rhif

120, 140, 160, **180** , **200**

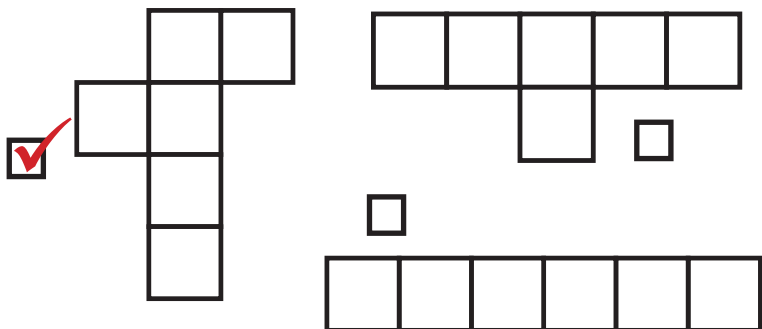
10  $6 \times = 36$   
 $\times = 6$

FY SGÔR DDIWETHAF? .....

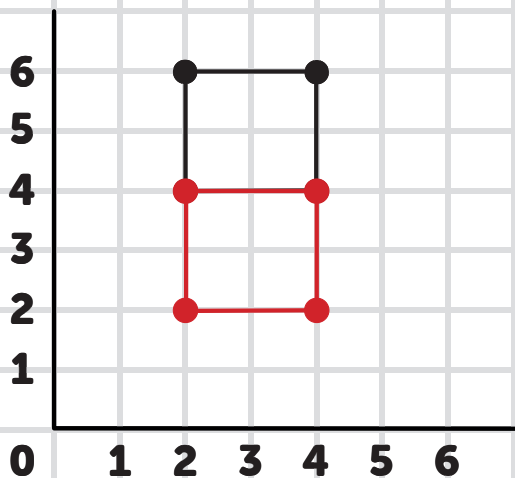
YDW I WEDI EI GURO?!



1 Pa un yw rhwyd cywir ciwb?

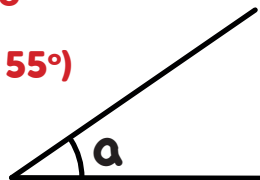


2 Trawsfudwch y siâp drwy gynyddu'r cyfesuryn 'y' o 2.



3 Amcangyfrifwch ongl 'a'

35°  
(15° to 55°)



4  $\frac{5}{7} \circ 161 =$

115

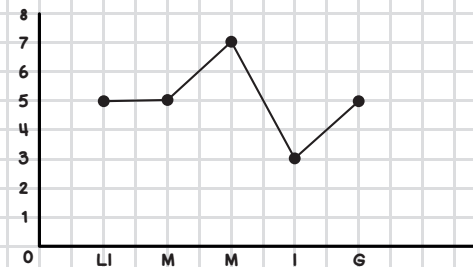
5 Pa rai o'r ffracsiynau sy'n hafal i 1?

$\frac{14}{15}$     $\frac{15}{14}$     $\frac{14}{14}$

6  $\frac{1}{5} = \frac{5}{25}$

7  $\frac{7}{8} - \frac{3}{24} = \frac{18}{24}$

8 Cofnododd ddsbarth sawl disgybl ddeffrodd yn hwyr dros wythnos.



Sawl disgybl ddeffrodd yn hwyr Dydd Mawrth a Mercher?

12

9 Cwblhewch y patrwm rhif

255, 242, 229, 216, 203

10  $3x = 21$   
 $x = 7$

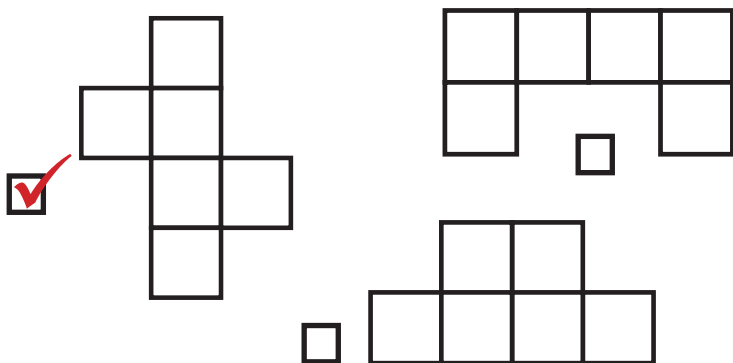


FY SGÔR DDIWETHAF? .....

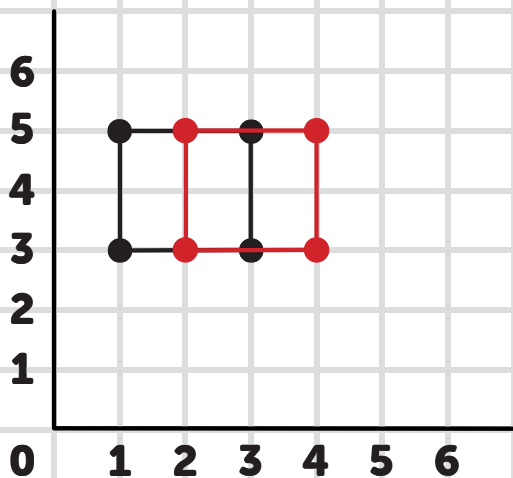
YDW I WEDI EI GURO? .....



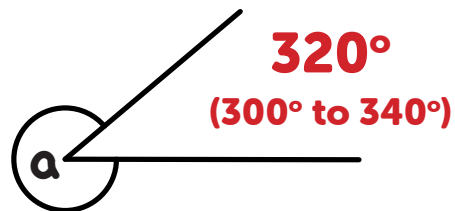
1 Pa un yw rhwyd cywir ciwb?



2 Trawsfudwch y siâp drwy gynyddu'r cyfesuryn 'x' o 1.



3 Amcangyfrifwch ongl 'a'



4  $\frac{3}{5} \text{ o } 115 =$   
**69**

5 Pa rai o'r ffracsiynau sy'n llai nag 1?

$\frac{13}{13}$     $\frac{15}{14}$     $\frac{13}{14}$

6  $\frac{2}{4} = \frac{6}{12}$

7  $\frac{1}{7} + \frac{1}{14} = \frac{3}{14}$

8 Cofnododd dîm Pêl-droed eu tali o goliau bob mis am dymor.



Sawl gôl sgoriodd y tim yn ystod misoedd 5 a 6?

**65**

9 Cwblhewch y patrwm rhif

301, 319, 337, **355** , **373**

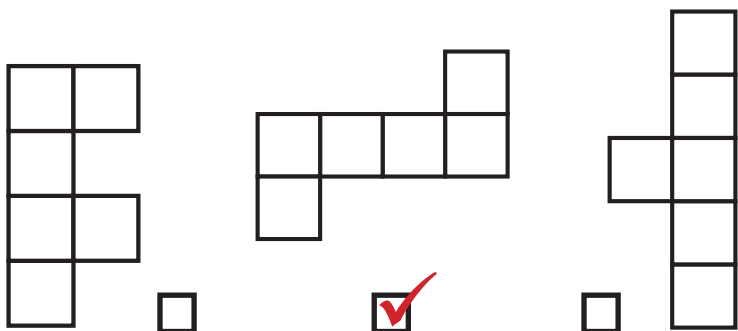
10  $8x = 24$   
 $x = 3$

FY SGÔR DDIWETHAF?!

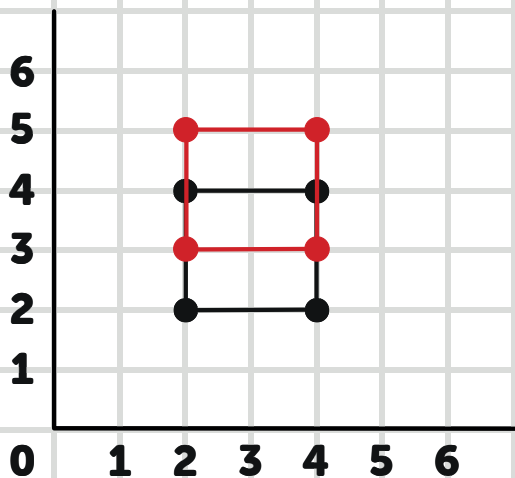
YDW I WEDI EI GURO?!



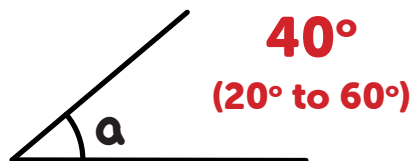
1 Pa un yw rhwyd cywir ciwb?



2 Trawsfudwch y siâp drwy gynyddu'r cyfesuryn 'y' o 1.



3 Amcangyfrifwch ongl 'a'



4  $\frac{7}{8} \text{ o } 136 =$   
**119**

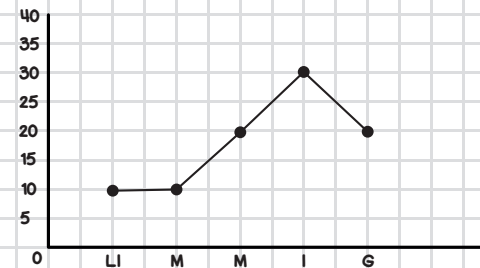
5 Pa rai o'r ffracsiynau sy'n fwy nag 1?

$\frac{17}{17}$     $\frac{16}{17}$     **$\frac{17}{16}$**

6  $\frac{1}{2} = \frac{4}{8}$

7  $\frac{2}{8} + \frac{11}{32} = \frac{19}{32}$

8 Cofnododd ddosbarth y nifer o geir aeth heibio'r ysgol dros wythnos.



Pa ddiwrnod aeth y nifer fwyaf o geir heibio'r ysgol?

**Dydd Iau**

9 Cwblhewch y patrwm rhif

145, 131, 117, **103** , **89**

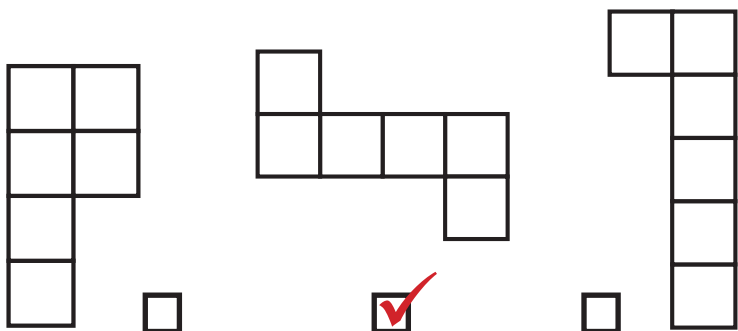
10  $9x = 45$   
 $x = 5$

FY SGÔR DDIWETHAF?!

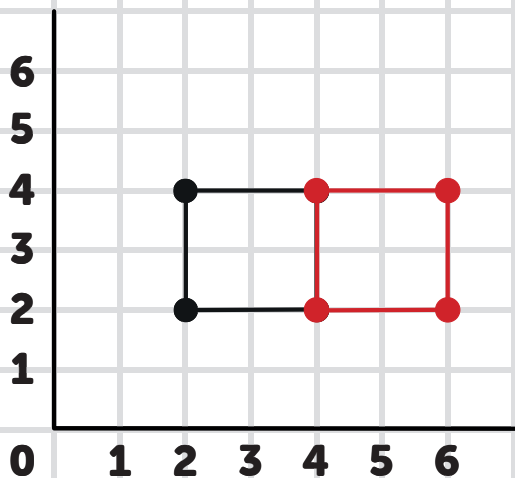
YDW I WEDI EI GURO?!



1 Pa un yw rhwyd cywir ciwb?



2 Trawsfudwch y siâp drwy gynyddu'r cyfesuryn 'x' o 2.



3 Amcangyfrifwch ongl 'a'



4  $\frac{8}{9} \circ 162 =$   
**144**

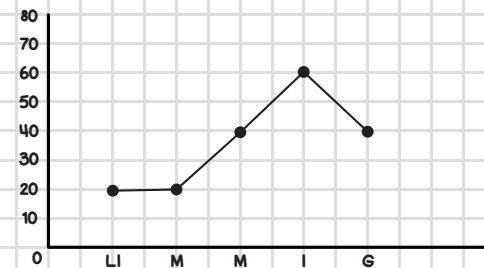
5 Pa rai o'r ffracsiynau sy'n hafal i 1?

$\frac{18}{19}$     $\frac{19}{18}$     $\frac{19}{19}$

6  $\frac{1}{4} = \frac{5}{20}$

7  $\frac{6}{8} - \frac{19}{32} = \frac{5}{32}$

8 Cofnododd dim sawl pwynt sgorion nhw yn ystod ymarferion dros wythnos.



Sawl pwynt sgorion nhw ddydd lau a Gwener?

**100 pwynt**

9 Cwblhewch y patrwm rhif

400, 417, 434, **451**, **468**

10  $5 \times = 40$   
 $\times = 8$

FY SGÔR DDIWETHAF?!

YDW I WEDI EI GURO?!

