

Part of

**BEAT  
THAT!**



Welsh Language

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



# SAFE

# Challenges!

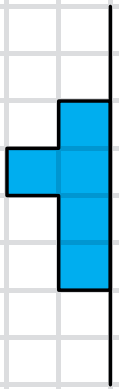
Thank you to Ysgol Gymraeg Treganna, Ysgol Gymraeg Glan Ceubal and Ysgol Morfa Rhianedd for their generous help in translating the SAFE Challenges to Welsh.



# Big Maths Beat That!: Teacher Notes

| SAFE Challenge 8 |                                     |          |  |
|------------------|-------------------------------------|----------|--|
|                  | Step Location in the SAFE framework |          | Title of Step  |
|                  | Progress Drive                      | Step No. |  |
| Q1               | Shape: Explore & Draw               | 9        | I can reflect a simple 2D shape when given a vertical line of symmetry   |
| Q2               | Shape: 2D Shapes                    | 14       | I can recognise a quadrilateral and a hexagon                            |
| Q3               | Shape: 2D Shapes                    | 15       | I can recognise a pentagon and an octagon                                |
| Q4               | Shape: 3D Shapes                    | 12       | I can describe 3D shapes using different properties                      |
| Q5               | Amounts: Amounts of Money           | 10       | I know that amounts over £1 can be written as 125p or '£1 and 25p'       |
| Q6               | Amounts: Amounts of Temperature     | 6        | I can use a thermometer to measure the temperature                       |
| Q7               | Fractions: Fractions: Counting      | 2        | I can count in halves and record my counting as a mixed number           |
| Q8               | Fractions: Fractions: Counting      | 3        | I can count in halves and record as a mixed number and improper fraction |
| Q9               | Explaining Data: Bar Charts         | 3        | I can read a bar chart   |
| Q10              | Dangerous Maths: Algebra            | 3        | I understand that '=' means 'the same amount as'                         |

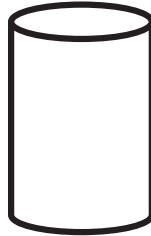
1



Adlewyrchwch y siâp ar y linell cymesuredd

4

Enwch y siâp 3D \_\_\_\_\_



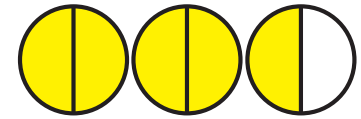
Sawl? \_\_\_\_\_

Wyneb \_\_\_\_\_ Ymyl \_\_\_\_\_

Fertig \_\_\_\_\_

7

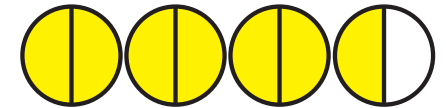
Ysgrifennwch fel rhif cymysg



\_\_\_\_\_

8

Ysgrifennwch fel rhif cymysg a ffraciwn pendrwm

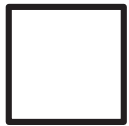


=

\_\_\_\_\_

2

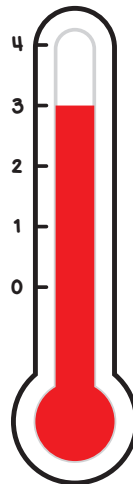
Ticiwch yr hecsagon



5

136c = £ \_\_\_\_\_ a \_\_\_\_\_ c

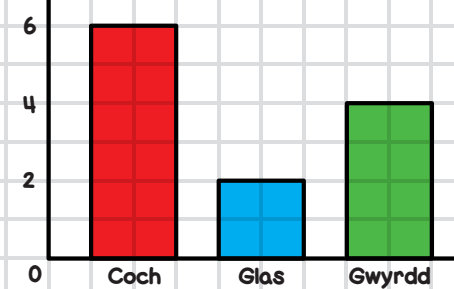
6



\_\_\_\_\_ °C

9

Hoff Liwiau Dosbarth 2H



Sawl plentyn ddewisiodd coch?

10

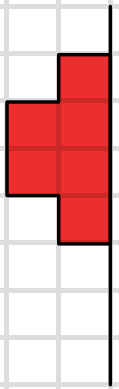
10 = 2 + \_\_\_\_\_

FY SGÔR DDIWETHAF?! .....

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



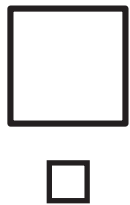
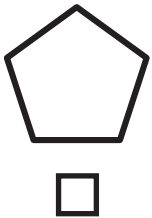
1



Adlewyrchwch y siâp ar y  
linell cymesuredd

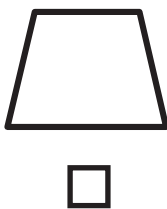
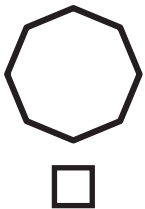
2

Ticiwch y pedrochr



3

Ticiwch yr octagon



4

Enwch y siâp 3D



Sawl?

Wyneb \_\_\_\_\_

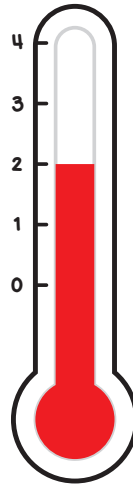
Ymyl \_\_\_\_\_

Fertig \_\_\_\_\_

5

 $231c = \text{£} \text{ _____ } a \text{ _____ } c$ 

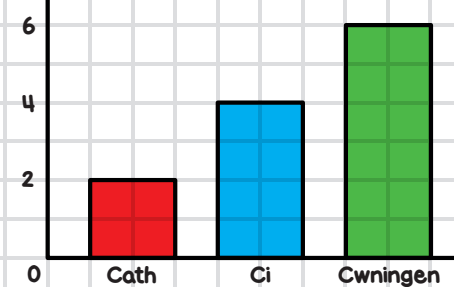
6



\_\_\_\_\_ °C

9

Hoff Anifeiliaid Dosbarth 3B



Sawl plentyn  
ddewisiodd  
cath?

10

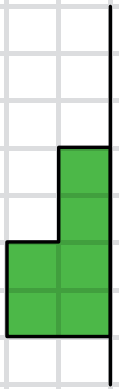
\_\_\_\_\_ = 6 + 4

FY SGÔR DDIWETHAF?!

YDW I WEDI EI GURO?!



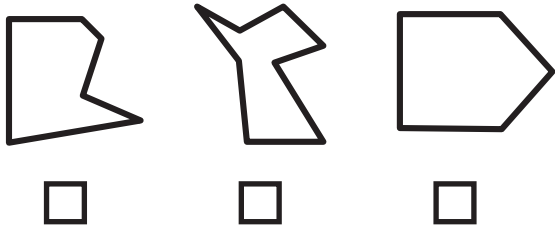
1



Adlewyrchwch y siâp ar y  
linell cymesuredd

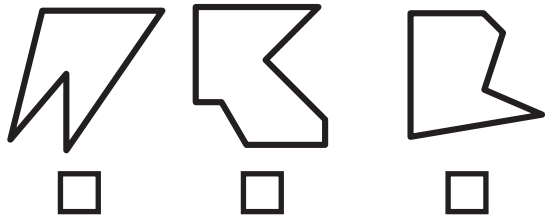
2

Ticiwch yr hecsagon



3

Ticiwch y pentagon



4

Enwch y siâp 3D



Sawl?

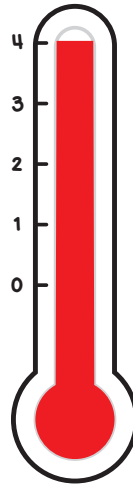
Wyneb \_\_\_\_\_ Ymyl \_\_\_\_\_

Fertig \_\_\_\_\_

5

476c = £ \_\_\_\_\_ a \_\_\_\_\_ c

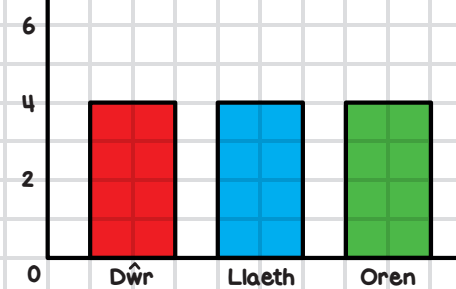
6



\_\_\_\_\_ °C

9

Hoff Ddiodydd Dosbarth 1C



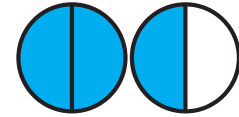
Sawl plentyn  
sy'n hoffi llaeth?

10

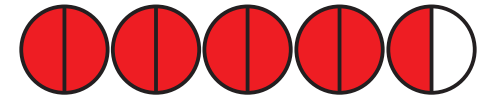
\_\_\_\_\_ = 1 + 9

7

Ysgrifennwch fel rhif cymysg

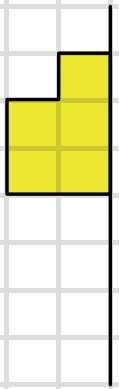


8

Ysgrifennwch fel rhif cymysg a  
ffracsiwn pendrwm

=

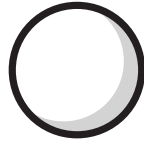
1



Adlewyrchwch y siâp ar y linell cymesuredd

4

Enwch y siâp 3D \_\_\_\_\_



Sawl? \_\_\_\_\_

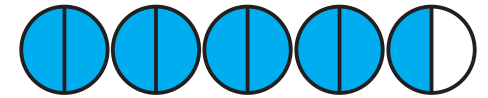
Wyneb \_\_\_\_\_

Ymyl \_\_\_\_\_

Fertig \_\_\_\_\_

7

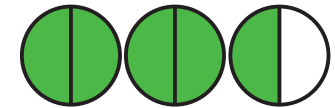
Ysgrifennwch fel rhif cymysg



\_\_\_\_\_

8

Ysgrifennwch fel rhif cymysg a ffraciwn pendrwm



=

\_\_\_\_\_

2

Ticiwch yr hecsagon



3

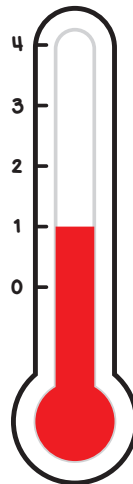
Ticiwch yr octagon



5

113c = £ \_\_\_\_\_ a \_\_\_\_\_ c

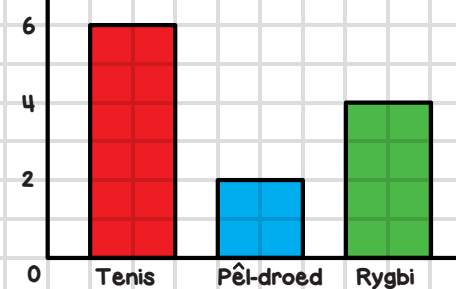
6



\_\_\_\_\_ °C

9

Hoff Chwaraeon Dosbarth 4A



Sawl plentyn sy'n hoffi tenis?

10

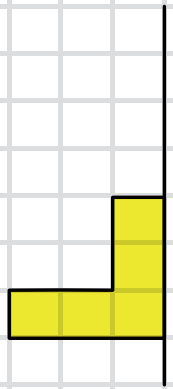
10 = 7 + \_\_\_\_\_

FY SGÔR DDIWETHAF?!

YDW I WEDI EI GURO?!



1



Adlewyrchwch y siâp ar y linell cymesuredd

4

Enwch y siâp 3D \_\_\_\_\_



Sawl? \_\_\_\_\_

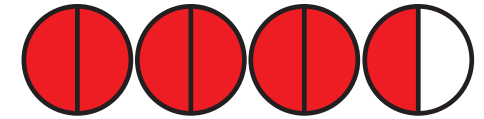
Wyneb \_\_\_\_\_

Ymyl \_\_\_\_\_

Fertig \_\_\_\_\_

7

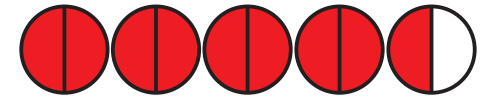
Ysgrifennwch fel rhif cymysg



\_\_\_\_\_

8

Ysgrifennwch fel rhif cymysg a ffraciwn pendrwm

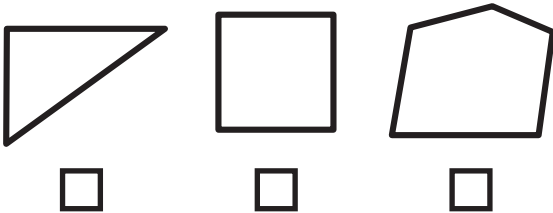


=

\_\_\_\_\_

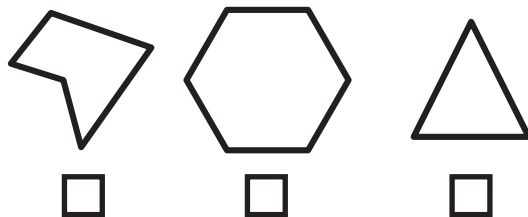
2

Ticiwch y pedrochr



3

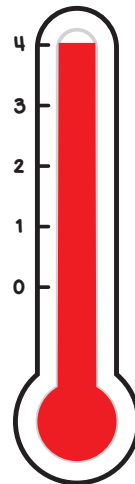
Ticiwch y pentagon



5

543c = £ \_\_\_\_\_ a \_\_\_\_\_ c

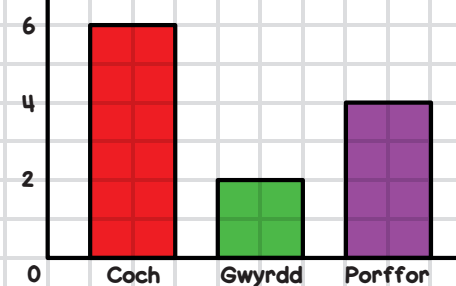
6



\_\_\_\_\_ °C

9

Hoff Liwiau Dosbarth 2D



Sawl plentyn sy'n hoffi porffor?

10

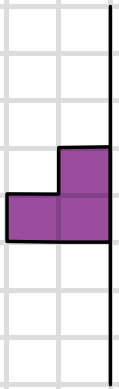
10 = 1 + \_\_\_\_\_

FY SGÔR DDIWETHAF?! .....

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



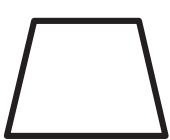
1



Adlewyrchwch y siâp ar y linell cymesuredd

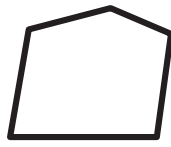
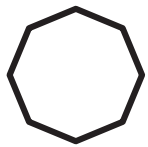
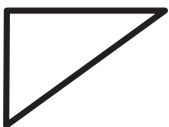
2

Ticiwch y pedrochr



3

Ticiwch yr octagon



4

Enwch y siâp 3D

\_\_\_\_\_



Sawl?

Wyneb \_\_\_\_\_

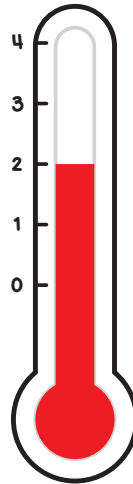
Ymyl \_\_\_\_\_

Fertig \_\_\_\_\_

5

 $321c = \text{£} \text{_____} \text{ a } \text{_____} \text{ c}$ 

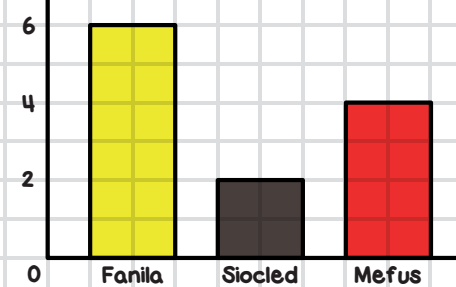
6



\_\_\_\_\_ °C

9

Hoff Ffas Hufen Iâ Dosbarth 5E



Sawl plentyn sy'n hoffi ffanta?

10

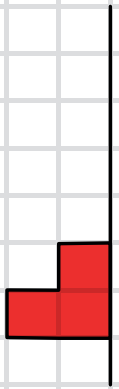
\_\_\_\_\_ = 4 + 6

FY SGÔR DDIWETHAF?!

YDW I WEDI EI GURO?!



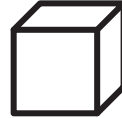
1



Adlewyrchwch y siâp ar y linell cymesuredd

4

Enwch y siâp 3D \_\_\_\_\_



Sawl? \_\_\_\_\_

Wyneb \_\_\_\_\_ Ymyl \_\_\_\_\_

Fertig \_\_\_\_\_

7

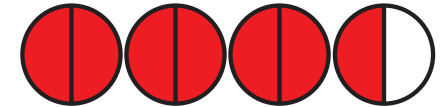
Ysgrifennwch fel rhif cymysg



\_\_\_\_\_

8

Ysgrifennwch fel rhif cymysg a ffraciwn pendrwm

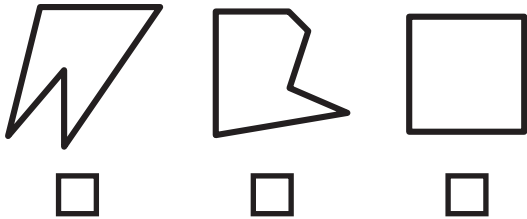


=

\_\_\_\_\_

2

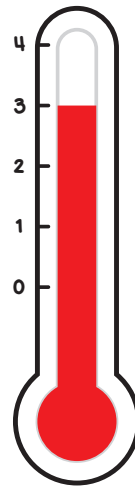
Ticiwch y pedrochr



5

277c = £ \_\_\_\_\_ a \_\_\_\_\_ c

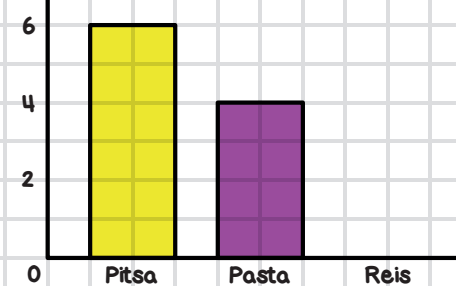
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\_\_\_\_\_ °C

9

Hoff Fwydydd Dosbarth 2C



Sawl un sy'n hoffi pasta?

10

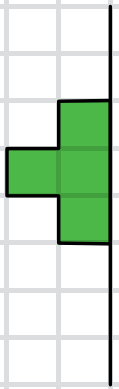
\_\_\_\_\_ = 1 + 9

FY SGÔR DDIWETHAF?! .....

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



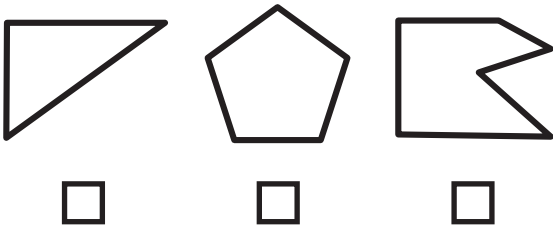
1



Adlewyrchwch y siâp ar y  
linell cymesuredd

2

Ticiwch yr hecsagon



3

Ticiwch y pentagon



4

Enwch y siâp 3D



Sawl?

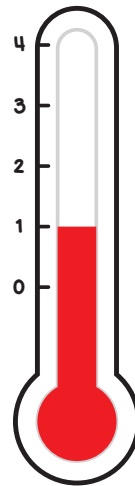
Wyneb \_\_\_\_\_ Ymyl \_\_\_\_\_

Fertig \_\_\_\_\_

5

451c = £ \_\_\_\_\_ a \_\_\_\_\_ c

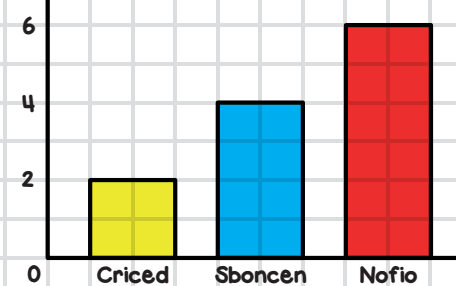
6



\_\_\_\_\_ °C

9

Hoff Chwaraeon Dosbarth 1D



Sawl plentyn  
sy'n chwarae  
criced?

10

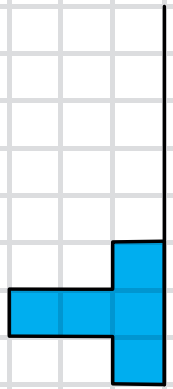
10 = 7 + \_\_\_\_\_

FY SGÔR DDIWETHAF?!

YDW I WEDI EI GURO?!



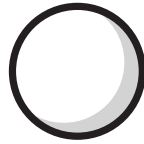
1



Adlewyrchwch y siâp ar y  
linell cymesuredd

4

Enwch y siâp 3D \_\_\_\_\_



Sawl? \_\_\_\_\_

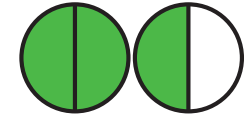
Wyneb \_\_\_\_\_

Ymyl \_\_\_\_\_

Fertig \_\_\_\_\_

7

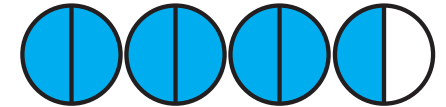
Ysgrifennwch fel rhif cymysg



\_\_\_\_\_

8

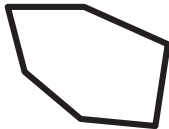
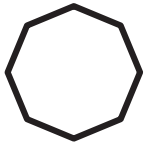
Ysgrifennwch fel rhif cymysg a  
ffracsiwn pendrwm



= \_\_\_\_\_

2

Ticiwch yr hecsagon



3

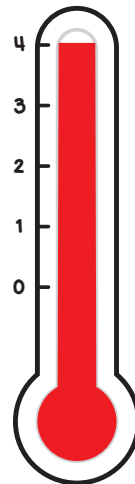
Ticiwch y pentagon



5

174c = £ \_\_\_\_\_ a \_\_\_\_\_ c

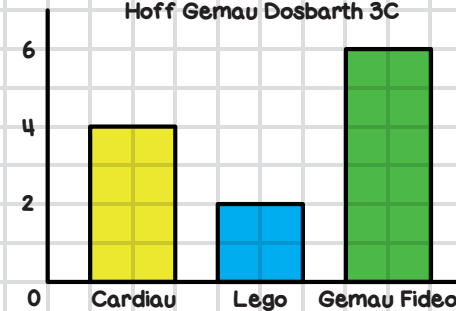
6



\_\_\_\_\_ °C

9

Hoff Gemau Dosbarth 3C



Faint sy'n  
chwarae  
cardiau?

10

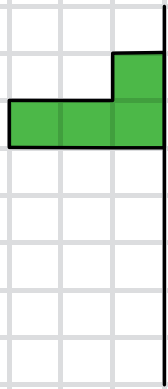
\_\_\_\_\_ = 7 + 3

FY SGÔR DDIWETHAF?! .....

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



1



Adlewyrchwch y siâp ar y  
linell cymesuredd

4

Enwch y siâp 3D \_\_\_\_\_



Sawl? \_\_\_\_\_

Wyneb \_\_\_\_\_

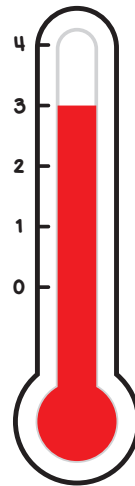
Ymyl \_\_\_\_\_

Fertig \_\_\_\_\_

5

 $576c = \text{£} \text{_____} \text{ a } \text{_____} \text{ c}$ 

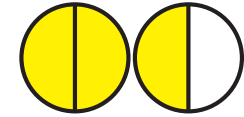
6



\_\_\_\_\_ °C

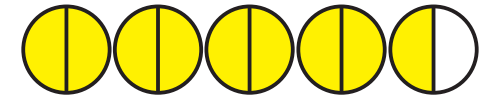
7

Ysgrifennwch fel rhif cymysg



\_\_\_\_\_

8

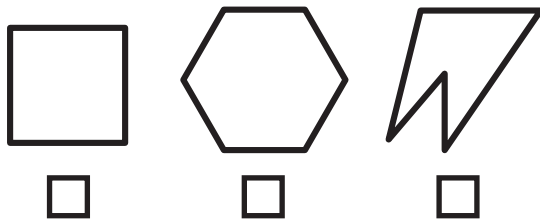
Ysgrifennwch fel rhif cymysg a  
ffracsiwn pendrwm

=

\_\_\_\_\_

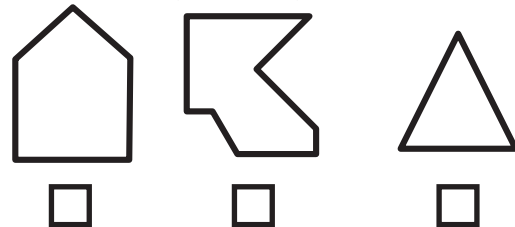
2

Ticiwch y pedrochr



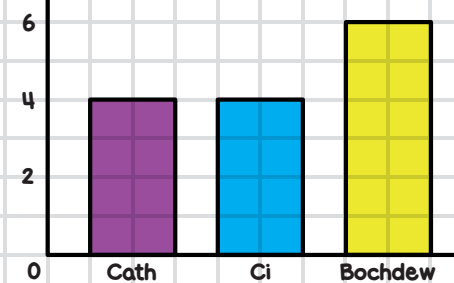
3

Ticiwch yr octagon



9

Hoff Anifeiliaid Anwes Dosbarth 5D

Sawl plentyn sy'n  
hoffi cathod?

10

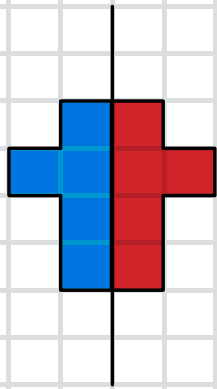
\_\_\_\_\_ = 9 + 1

FY SGÔR DDIWETHAF? .....

YDW I WEDI EI GURO? .....



**1**

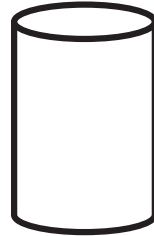


Adlewyrchwch y siâp ar y linell cymesuredd

**4**

Enwch y siâp 3D

**Silindr**



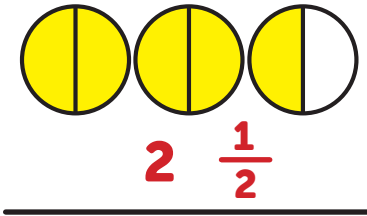
Sawl?

Wyneb 3 Ymyl 2

Fertig 0

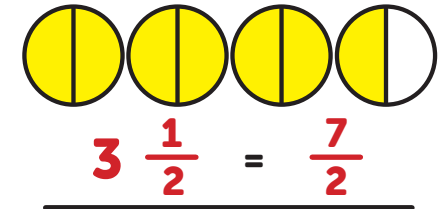
**7**

Ysgrifennwch fel rhif cymysg



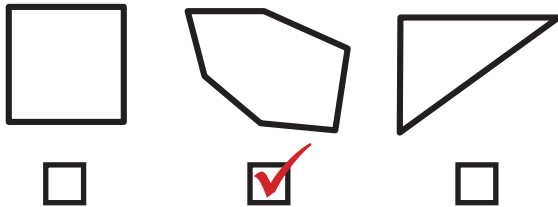
**8**

Ysgrifennwch fel rhif cymysg a ffraciwn pendwm



**2**

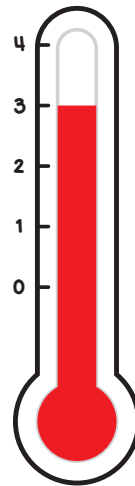
Ticiwch yr hecsagon



**5**

136c = £ 1 a 36 c

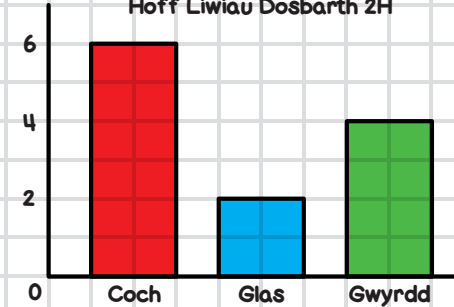
**6**



3 °C

**9**

Hoff Liwiau Dosbarth 2H

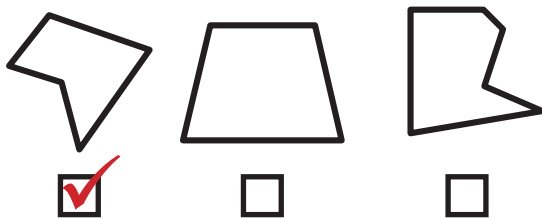


Sawl plentyn ddewisiodd coch?

**6**

**3**

Ticiwch y pentagon



**10**

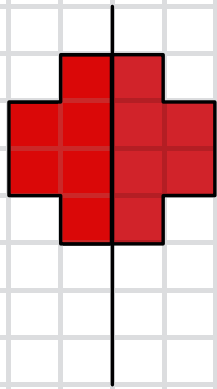
**10 = 2 + 8**

**FY SGÔR DDIWETHAF?!** .....

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



1



Adlewyrchwch y siâp ar y linell cymesuredd

4

Enwch y siâp 3D

**Côn**



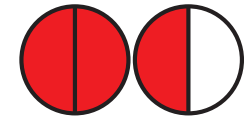
Sawl?

Wyneb 2 Ymyl 1

Fertig 1

7

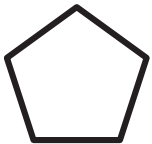
Ysgrifennwch fel rhif cymysg



1  $\frac{1}{2}$

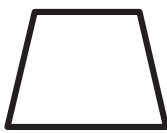
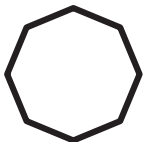
2

Ticiwch y pedrochr



3

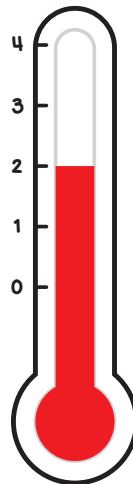
Ticiwch yr octagon



5

231c = £ 2 a 31 c

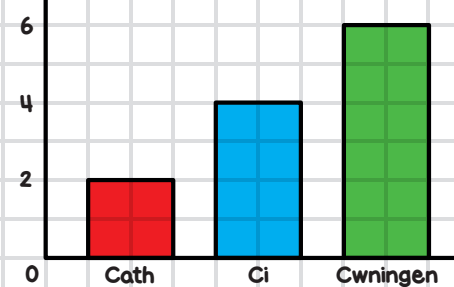
6



2 °C

9

Hoff Anifeiliaid Dosbarth 3B



Sawl plentyn ddewisiodd cath?

2

10

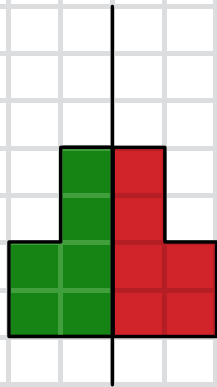
10 = 6 + 4

FY SGÔR DDIWETHAF?!

YDW I WEDI EI GURO?!



1



Adlewyrchwch y siâp ar y linell cymesuredd

4

Enwch y siâp 3D

**Ciwboid**



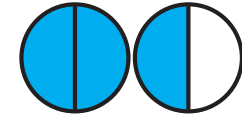
Sawl?

Wyneb 6 Ymyl 12

Fertig 8

7

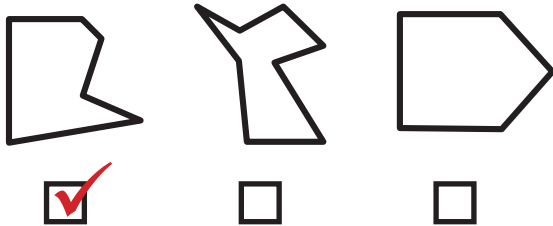
Ysgrifennwch fel rhif cymysg



$1 \frac{1}{2}$

2

Ticiwch yr hecsagon



5

476c = £ 4 a 76 c

8

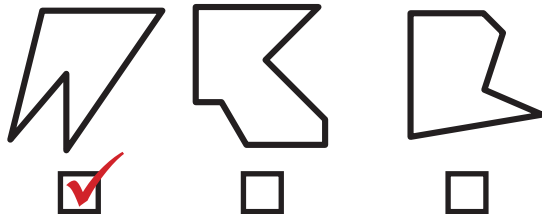
Ysgrifennwch fel rhif cymysg a ffraciwn pendrwm



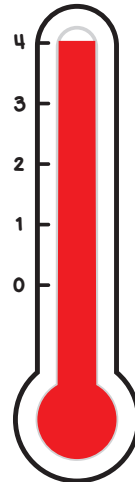
$4 \frac{1}{2} = \frac{9}{2}$

3

Ticiwch y pentagon



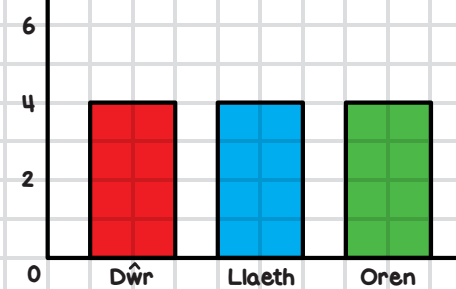
6



4 °C

9

Hoff Ddiodydd Dosbarth 1C



Sawl plentyn sy'n hoffi llaeth?

4

10

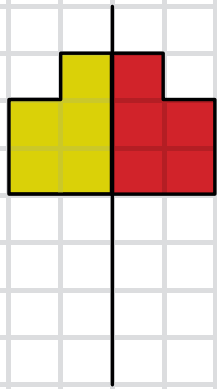
10 = 1 + 9

FY SGÔR DDIWETHAF? .....

YDW I WEDI EI GURO? .....



1

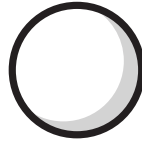


Adlewyrchwch y siâp ar y linell cymesuredd

4

Enwch y siâp 3D

Sffêr



Sawl?

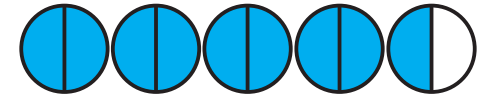
Wyneb 1

Ymyl 0

Fertig 0

7

Ysgrifennwch fel rhif cymysg



$4 \frac{1}{2}$

2

Ticiwch yr hecsagon



3

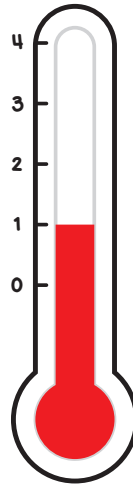
Ticiwch yr octagon



5

113c = £ 1 a 13 c

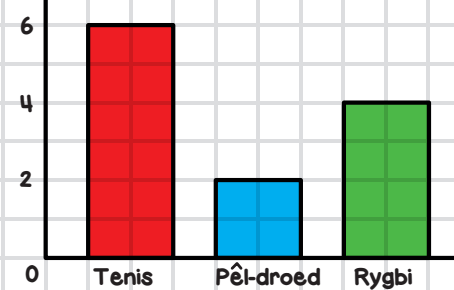
6



1 °C

9

Hoff Chwaraeon Dosbarth 4A



Sawl plentyn sy'n hoffi tenis?

6

10

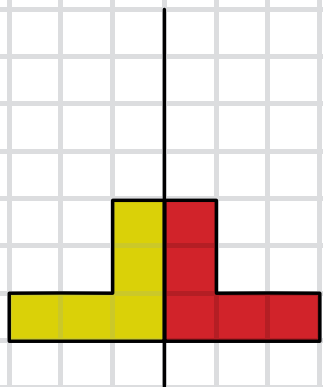
$10 = 7 + \underline{3}$

FY SGÔR DDIWETHAF?!

YDW I WEDI EI GURO?!



1



Adlewyrchwch y siâp ar y linell cymesuredd

4

Enwch y siâp 3D

**Silindr**



Sawl?

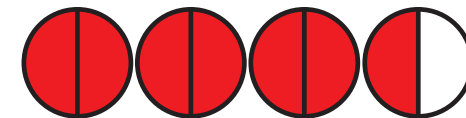
Wyneb 3

Ymyl 2

Fertig 0

7

Ysgrifennwch fel rhif cymysg



$3 \frac{1}{2}$

8

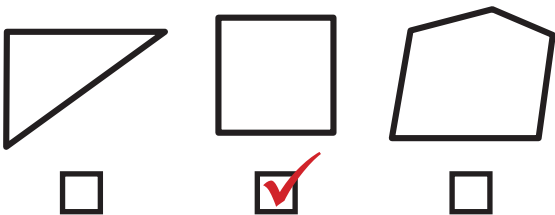
Ysgrifennwch fel rhif cymysg a ffraciwn pendrwm



$4 \frac{1}{2} = \frac{9}{2}$

2

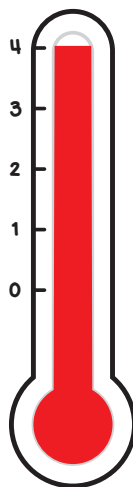
Ticiwch y pedrochr



5

543c = £ 5 a 43 c

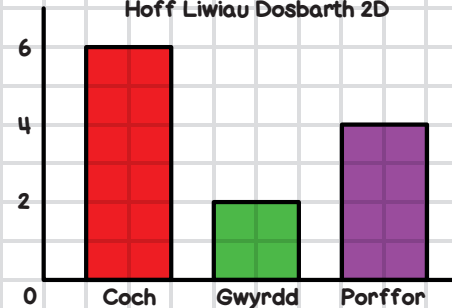
6



4 °C

9

Hoff Liwiau Dosbarth 2D

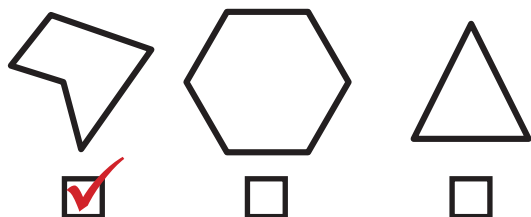


Sawl plentyn sy'n hoffi porffor?

**4**

3

Ticiwch y pentagon



10

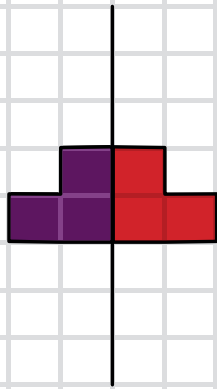
$10 = 1 + \underline{9}$

FY SGÔR DDIWETHAF?!

YDW I WEDI EI GURO?!



1



Adlewyrchwch y siâp ar y linell cymesuredd

4

Enwch y siâp 3D

**Côn**



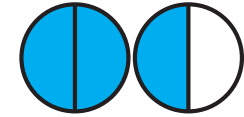
Sawl?

Wyneb 2 Ymyl 1

Fertig 1

7

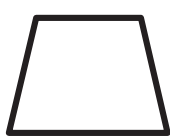
Ysgrifennwch fel rhif cymysg



**1  $\frac{1}{2}$**

2

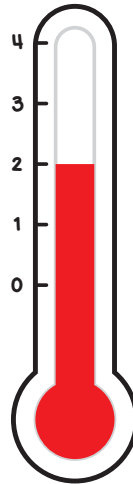
Ticiwch y pedrochr



5

321c = £ 3 a 21 c

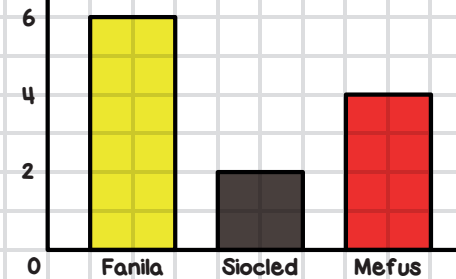
6



2 °C

9

Hoff Ffas Hufen lâ Dosbarth 5E

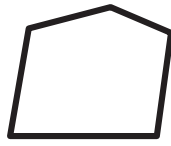
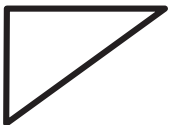


Sawl plentyn sy'n hoffi fanila?

**6**

3

Ticiwch yr octagon



10

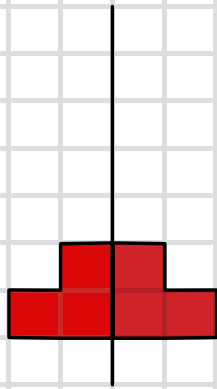
10 = 4 + 6

FY SGÔR DDIWETHAF?!

YDW I WEDI EI GURO?!



1

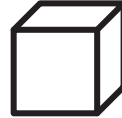


Adlewyrchwch y siâp ar y linell cymesuredd

4

Enwch y siâp 3D

**Ciwb**



Sawl?

Wyneb 6 Ymyl 12

Fertig 8

7

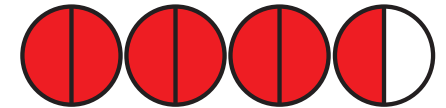
Ysgrifennwch fel rhif cymysg



4 1/2

8

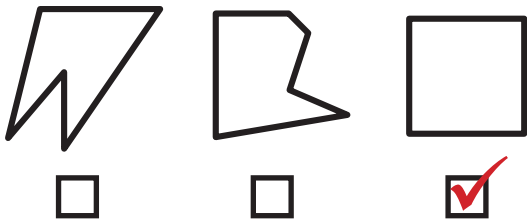
Ysgrifennwch fel rhif cymysg a ffraciwn pendrwm



3 1/2 = 7/2

2

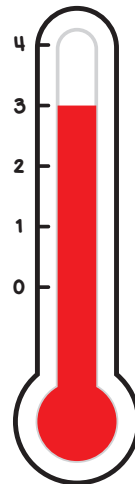
Ticiwch y pedrochr



5

277c = £ 2 a 77 c

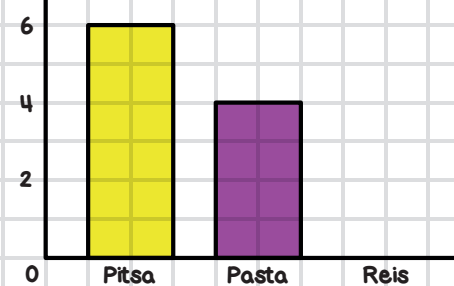
6



3 °C

9

Hoff Fwydydd Dosbarth 2C

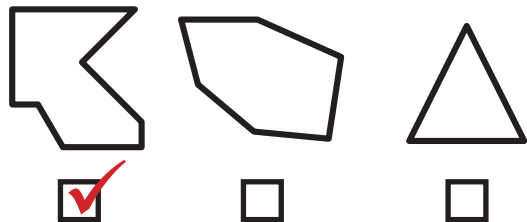


Sawl un sy'n hoffi pasta?

4

3

Ticiwch yr octagon



10

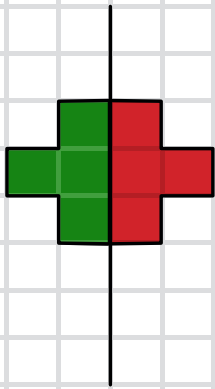
10 = 1 + 9

FY SGÔR DDIWETHAF? .....

YDW I WEDI EI GURO? .....



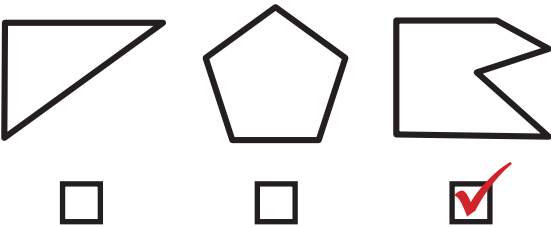
1



Adlewyrchwch y siâp ar y linell cymesuredd

2

Ticiwch yr hecsagon



3

Ticiwch y pentagon



4

Enwch y siâp 3D

**Ciwboid**



Sawl?

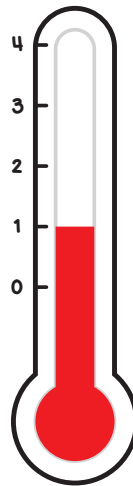
Wyneb 6 Ymyl 12

Fertig 8

5

451c = £ 4 a 51 c

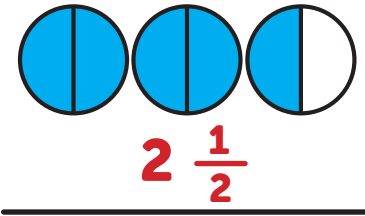
6



1 °C

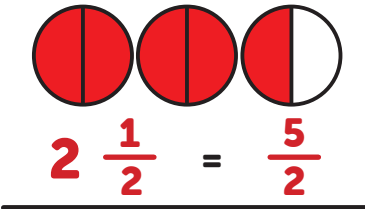
7

Ysgrifennwch fel rhif cymysg



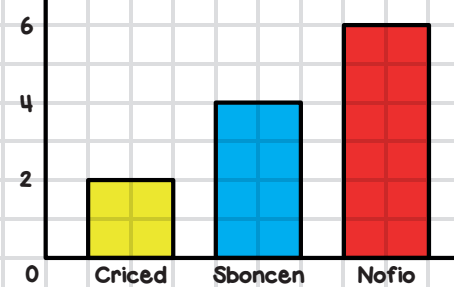
8

Ysgrifennwch fel rhif cymysg a ffraciwn pendrwm



9

Hoff Chwaraeon Dosbarth 1D



Sawl plentyn sy'n chwarae criced?

**2**

10

**10 = 7 + 3**

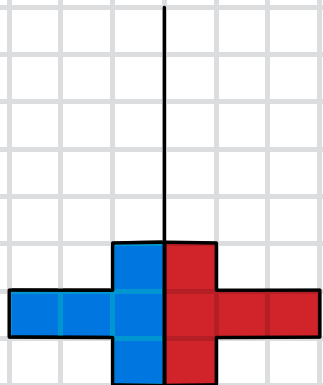


FY SGÔR DDIWETHAF? .....

YDW I WEDI EI GURO? .....



1

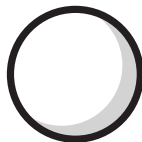


Adlewyrchwch y siâp ar y linell cymesuredd

4

Enwch y siâp 3D

**Sffêr**



Sawl?

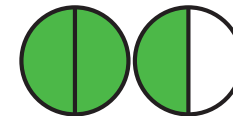
Wyneb 1

Ymyl 0

Fertig 0

7

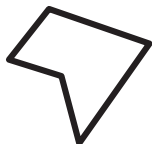
Ysgrifennwch fel rhif cymysg



$1 \frac{1}{2}$

2

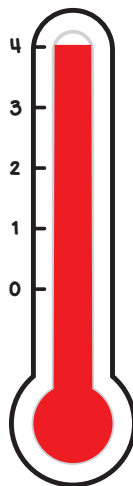
Ticiwch yr hecsagon



5

174c = £ 1 a 74 c

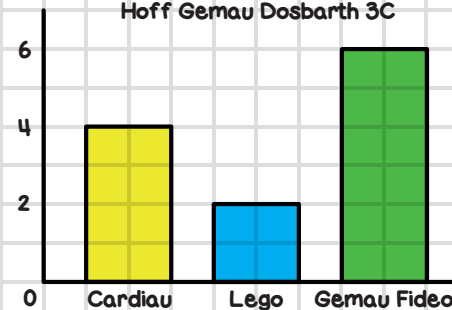
6



4 °C

9

Hoff Gemau Dosbarth 3C



Faint sy'n chwarae cardiau?

**4**

3

Ticiwch y pentagon



10

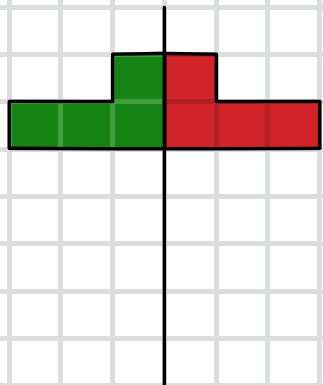
10 = 7 + 3

FY SGÔR DDIWETHAF?!

YDW I WEDI EI GURO?!



1



Adlewyrchwch y siâp ar y linell cymesuredd

4

Enwch y siâp 3D

**Ciwboid**



Sawl?

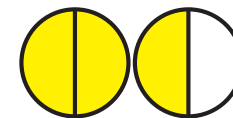
Wyneb 6

Ymyl 12

Fertig 8

7

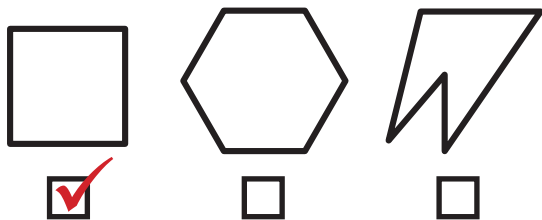
Ysgrifennwch fel rhif cymysg



$1 \frac{1}{2}$

2

Ticiwch y pedrochr

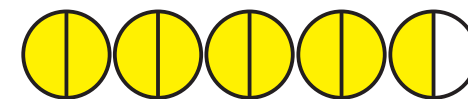


5

576c = £ 5 a 76 c

8

Ysgrifennwch fel rhif cymysg a ffraciwn pendrwm



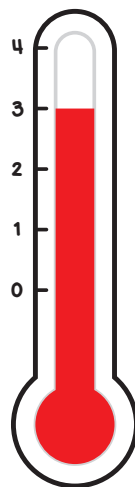
$4 \frac{1}{2} = \frac{9}{2}$

3

Ticiwch yr octagon



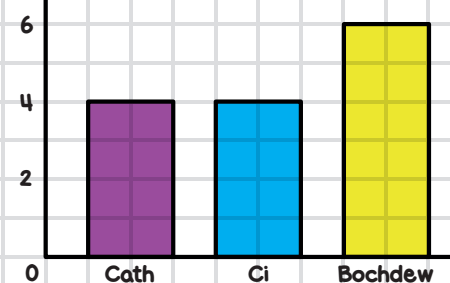
6



3 °C

9

Hoff Anifeiliaid Anwes Dosbarth 5D



Sawl plentyn sy'n hoffi cathod?

**4**

10

10 = 9 + 1

FY SGÔR DDIWETHAF?!

YDW I WEDI EI GURO?!

