LLUOSI - *MULTIPLICATION*

CEFNOGAETH RHIFEDD – YSGOL DAVID HUGHES

CEFNOGAETH 1 – *SUPPORT 1*

▶ Gallwch gyfnewid trefn y rhifau wrth luosi ac mae'r ateb yn gyffredin.

▶ *You can swap the numbers whilst multiplying and the answer stays the same.*

$$7 \times 6 = 42 \quad / \quad 6 \times 7 = 42$$

'You times me is the same as me times you'

CEFNOGAETH 2 – *SUPPORT 2*

▶ Yr ateb wrth luosi unrhyw rhif gydag 1 yw'r rhif gwreiddiol.

▶ *Any number multiplied by one is that number.*

$$7 \times 1 = 7 \quad / \quad 6 \times 1 = 6$$

CEFNOGAETH 3 – *SUPPORT 3*

▶ I luosi gyda 10, ychwanegwch 0. Ysgrifennwch y rhif gwreiddiol ac ychwanegwch 0.

▶ *To multiply by 10, add a zero. Write the original number and add a zero.*

7 x 10 = 70   /   6 x 10 = 60

(x 100 = Ychwanegwch / *Add* 00)

CEFNOGAETH 4 – *SUPPORT 4*

▶ Er mwyn lluosi gyda 2, bydd angen dyblu'r rhif.

▶ *To multiply by 2, double the number.*

7 x 2 = 14 (7 + 7)   /   6 x 2 = 12 (6 + 6)

CEFNOGAETH 5 – *SUPPORT 5*

▶ Lluosi gyda 4 yw dyblu dwywaith.

▶ *Multiplying with 4 is the same as doubling twice – the double double rule.*

$$7 \times \textbf{4} = (7 \times \textbf{2}) + (7 \times \textbf{2}) = 14 + 14 = 28$$

$$6 \times \textbf{4} = (6 \times \textbf{2}) + (6 \times \textbf{2}) = 12 + 12 = 24$$

CEFNOGAETH 6 – *SUPPORT 6*

▶ Gallwch ddefnyddio cyfrifiadau haws i ddarganfod ateb i rhai anoddach.

▶ *You can use easier calculations to calculate the answer to more difficult calculations.*

I ddarganfod / *To find*: **9 x 7**

Mae **10** x 7 = **70**. Tynnwch **un 7** o 70: **70 -7** = **63** = (9 x 7)

10 x 7 = **70**. Subtract **one 7** from 70: **70 -7** = **63** = (9 x 7)

I ddarganfod / *To find*: **6 x 8**

Mae **5** x 8 = **40**. Adiwch **un 8** i 40: **40 + 8** = **48** = (6 x 8)

5 x 8 = **40**. Add **one 8** to 40: **40 + 8** = **48** = (6 x 8)

CEFNOGAETH 7 – *SUPPORT 7*

▶ Mae patrwm clir wrth luosi gyda 9. Edrychwch ar y sleid nesaf – a elwch chi ei adnabod?

▶ *There is a clear pattern when multiplying with 9. Look at the next slide, can you identify it?*

CEFNOGAETH 7 – *SUPPORT 7*

1 x 9 = 09

2 x 9 = 18

3 x 9 = 27

4 x 9 = 36

5 x 9 = 45

6 x 9 = 54

7 x 9 = 63

8 x 9 = 72

9 x 9 = 81

10 x 9 = 90

CEFNOGAETH 8 – *SUPPORT 8*

▶ Gallwch rannu cyfrifiad yn ddau gyfrifiad haws.

▶ *You can split a calculation into two easier calculations.*

I ddarganfod / *To find:* **7 x 8**

Rydym yn gwybod / *We know that:*

3 x 8 = **24**

4 x 8 = **32**

Adiwch yr atebion / *Add the answers: 24 + 32 =* **56** *=* **7** *x 8*

(4 + 3 = 7)