Worksheet 5a

SHQ: How can I solve a maths problem using appropriate written and mental methods?

Use these daily 'quick maths' warm ups to get your maths brain ready. There are 4 questions for each day. If a question uses a skill that you might need a little help with, look for the tips in the first box:

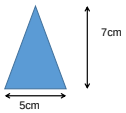
If you are given an equation with an unknown value, you need to 'move everything away' from the unknown value (x) so it is on its own on the left hand side of the equals sign.
You must always do the same to BOTH sides of the equals sign to keep the equation balanced.

Eg $3x + 10 = 25$
First, subtract anything that is not 'attached' to the 'x' so here, take 10 from both sides
This leaves you with :
$3x = 15$

Now look at what is 'attached' to the 'x' and which mathematical operation this is performing.
Here, the '3' is multiplying the x so the equation is saying 3 x 'something' is equal to 15
To find out what 'x' is , we need to DIVIDE both sides by 3.
This leaves us with:
$X = 15 \div 3$
So in this case $X = 3$
You can check your answer by putting '3' in place of 'x' in the original equation to make sure it works!

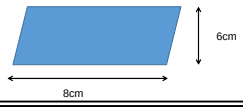
Monday

1. $2x + 6 = 20$ What is X
2. $3\frac{5}{8} \times 7$
3. $5\frac{7}{8} - \frac{4}{5}$
4. What is the area of this triangle:



Tuesday

1. $2X + 15 = 45$, what is X
2. $1\frac{4}{5} - \frac{2}{3}$
3. $5\frac{5}{6} \times 6$
4. Area of this shape:

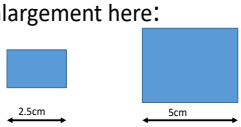


Wednesday

1. 3.45×6.78
2. $7/8$ of $X = 49$ What is X?
3. $1\frac{5}{8} + 2\frac{3}{4}$
4. $3x + 6 = 15$ What is X?

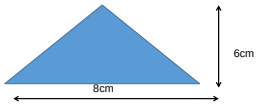
Thursday

1. $7/8 \div 5$
2. $\frac{3}{4}$ of $X = 12$. What is X?
3. $7\frac{3}{4} - 5/6$
4. What is the scale factor of enlargement here:



Friday

1. $1\frac{5}{6} \times \frac{5}{8}$
2. $X = 3n + 2$
   If n is 2, what is X?
3. $2\frac{3}{4} - \frac{2}{5}$
4. What is the area of this triangle:



Worksheet 5a