Assessment: M10

Stick into maths assessment book and give a full answer with reasoning at the end.

Find the change from £20 for three items that cost £1.24, £7.92 and £2.55.

I know...so...

$200 - 15 = 185$

$2\,000 - 15 =$ _____

$20\,000 - 15 =$ _____

Explain the meaning of... FDP

degrees of accuracy

relationship

decimal place

reasonableness of an answer

percentage   quantity

recurring

equivalence   prime numbers

unit fractions   simple fraction

Testing?

n stands for a number.

$$n + 7 = 13$$

What is the value of $n + 10$?

Explain the mistakes

23cm = _2.3_ mm

3.05m = _300.5_ cm

740m = _7.4_ km

Same or different?

○ Maltesers box and cube

○ 25%, 0.25 and 1/4

○ 2 x 3 x 5 and 5 x 3 x 2

Whose method would you choose?

Class 6 are solving this calculation:

2,000 - 1,287 =

Fatima: I used the column method and exchanged in the tens, hundreds and thousands columns

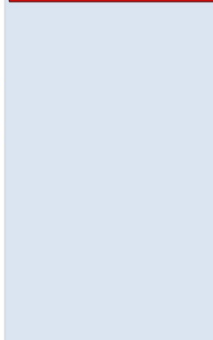I used my number bonds from 87 to 100 and then 1,300 to 2,000 — Adam

Stefan: I subtracted 1 from 2,000 and 1 from 1,287 then I did a column subtraction

Explore...

When rounded to the nearest ▢ E is 400.

What is the largest whole number E can be?

Different ways

Fill in the gaps. Find different ways.

$\frac{2}{5}$ of $\boxed{60}$ = 24 $\frac{2}{\Box}$ of $\Box$ = 24

$\frac{2}{\Box}$ of $\Box$ = 24 $\frac{2}{\Box}$ of $\Box$ = 24

Explain the mistakes

72°

17°

105°
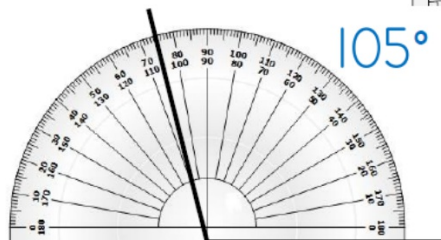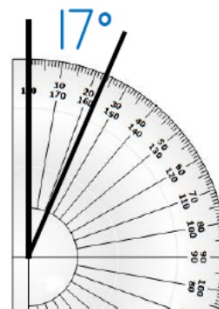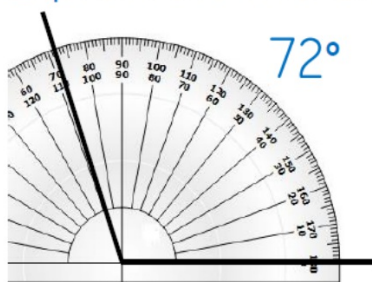
How many ways?

The average of three numbers is 9.

The difference between the smallest and largest number is 5.

What could the numbers be?

Level 1: I can find a way

Level 2: I can find different ways

Level 3: I know how many ways there are

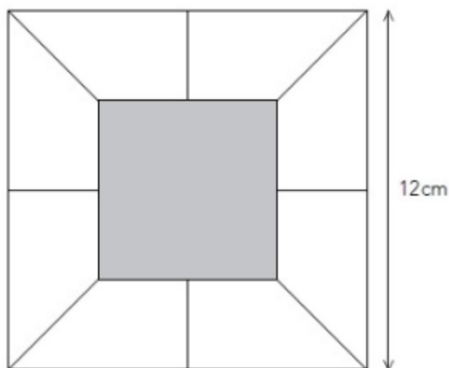_What could the question be?_

The diagram shows a square of side length 12 cm.

Inside the square are 8 congruent trapeziums and a shaded square.

Not full size

12cm

Factors and Multiples Game

See website

https://nrich.maths.org/factors
andmultiples

Turbo Maths

Which is the odd one out?

See website

http://www.transum.or
g/Software/sw/Starter
_of_the_day/Starter_
April30.asp

Countdown...

Can you use any of these numbers to reach the target?
How close can you get to the target?
You can use all four operations!

http://happysoft.org.uk/countdown/numgame.php