

Tuesday 7th May 2020

WALT understand angles in a triangle.

So we are continuing to look at angles this week - well done for all your work on them so far!

To start off, log onto TTRockstars and practice your times tables (the log ins were sent home in an envelope to you)

<https://trockstars.com/>



Starter:

WALT practice mental arithmetic: short multiplication

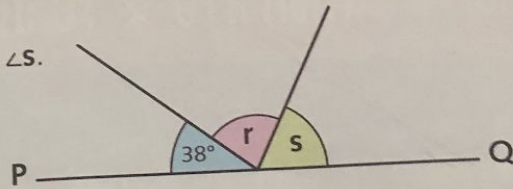
1. 27×6
2. 52×8
3. 18×7
4. 439×9
5. 5115×5
6. 1986×4
7. 3196×9
8. 2014×7
9. 2035×8
10. 8495×4

We are going to continue looking at angles today and calculating missing angles.

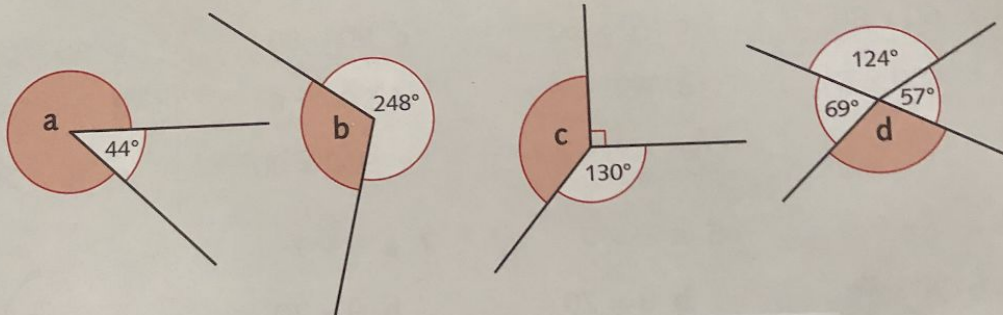
For questions 4, 5 and 6 (we're not doing 1, 2 and 3 - don't worry, you haven't missed anything!), calculate the missing angles each time:

4 PQ is a straight line.

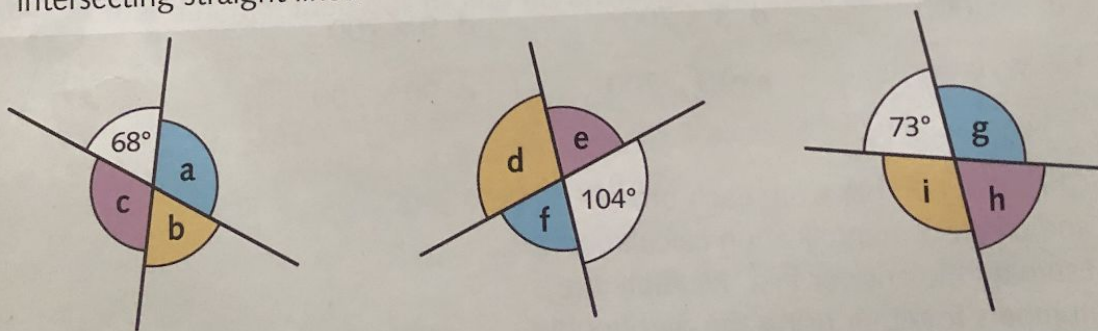
- a Calculate the size of $\angle r$ and $\angle s$ when $\angle r = \angle s$.
- b Calculate the size of $\angle s$ when $\angle r = 38^\circ$.



5 Name and calculate the size of each shaded angle that meets at a point.



6 Calculate the missing angles a to i in these diagrams of pairs of intersecting straight lines.



ANSWERS:

Starter:

1. 162
2. 416
3. 126
4. 3951
5. 25 575
6. 7944
7. 28 764
8. 14 098
9. 16 280
10. 33 980

Main activity:

- | | | |
|----|--|---|
| 4. | a 71° | b 104° |
| 5. | a reflex, 316°
c obtuse, 140° | b obtuse, 112°
d obtuse, 110° |
| 6 | a = 112°
c = 112°
e = 76°
g = 107°
i = 107° | b = 68°
d = 104°
f = 76°
h = 73° |