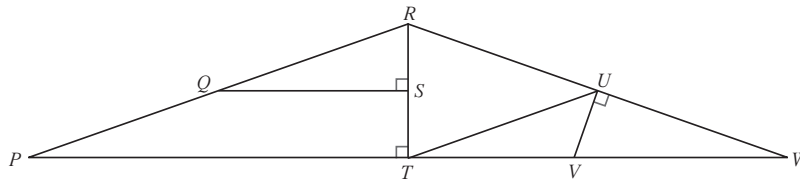


# Mathletics

## Holiday Review – Year Seven

### Angles:

Angle types



Acute angle	Right angle	Obtuse angle	Straight angle	Reflex angle
$\angle RQS$ or $\angle SQR$	$\angle RSQ$ or $\angle QSR$	$\angle PRW$ or $\angle WRP$	$\angle PQR$ or $\angle RQP$	Reflex ( $\angle PRW$ or $\angle WRP$ )
$\angle QPT$ or $\angle TPQ$	$\angle QST$ or $\angle TSQ$	$\angle PQS$ or $\angle SQP$	$\angle RST$ or $\angle TSR$	Reflex ( $\angle RQS$ or $\angle SQR$ )
$\angle QRS$ or $\angle SRQ$	$\angle PTS$ or $\angle STP$	$\angle PTU$ or $\angle UTP$	$\angle PTV$ or $\angle VTP$	Reflex ( $\angle QRS$ or $\angle SRQ$ )
$\angle RTU$ or $\angle UTR$	$\angle RTW$ or $\angle WTR$	$\angle TUV$ or $\angle WUT$	$\angle TVW$ or $\angle WVT$	Reflex ( $\angle QST$ or $\angle TSQ$ )
$\angle URS$ or $\angle SRU$	$\angle RUV$ or $\angle VUR$	$\angle TVU$ or $\angle UVT$	$\angle RUW$ or $\angle WUR$	Reflex ( $\angle QSR$ or $\angle RSQ$ )
$\angle RUT$ or $\angle TUR$	$\angle VUV$ or $\angle WUV$			Reflex ( $\angle STP$ or $\angle PTS$ )
$\angle UTV$ or $\angle VTU$				Reflex ( $\angle SRW$ or $\angle WRS$ )
$\angle TUV$ or $\angle VUT$				Reflex ( $\angle STU$ or $\angle UTS$ )
$\angle UVW$ or $\angle WVU$				Reflex ( $\angle UTV$ or $\angle VTU$ )
$\angle UWV$ or $\angle VWU$				Reflex ( $\angle STV$ or $\angle VTS$ )
				Reflex ( $\angle TUV$ or $\angle WUT$ )
				Reflex ( $\angle TUV$ or $\angle VUT$ )
				Reflex ( $\angle TVU$ or $\angle UVT$ )
				Reflex ( $\angle WVU$ or $\angle UVW$ )
				Reflex ( $\angle UWV$ or $\angle VWU$ )
				Reflex ( $\angle SRU$ or $\angle URS$ )
				Reflex ( $\angle RUT$ or $\angle TUR$ )
				Reflex ( $\angle PQS$ or $\angle SQP$ )
				Reflex ( $\angle QPT$ or $\angle TPQ$ )

Getting 5 correct from this list is a good effort

### Area and Perimeter:

Area of composite shapes

a) Area ① =  $4 \text{ mm} \times 4 \text{ mm}$     Area ② =  $2 \text{ mm} \times 2 \text{ mm}$   
 $= 16 \text{ mm}^2$      $= 4 \text{ mm}^2$   
 $\therefore$  Composite area =  $16 + 4 \text{ mm}^2$   
 $= 20 \text{ mm}^2$

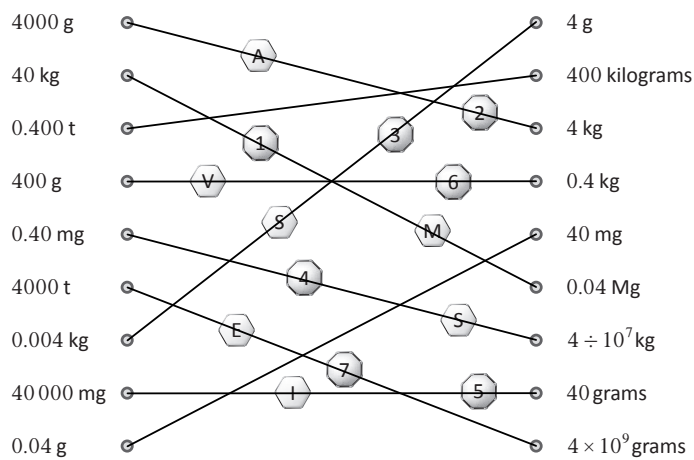
b) Area ① =  $0.5 \times 6 \times 8 \text{ m}^2$     Area ② =  $11 \times 5 \text{ m}^2$   
 $= 24 \text{ m}^2$      $= 55 \text{ m}^2$   
 $\therefore$  Composite area =  $24 + 55 \text{ m}^2$   
 $= 79 \text{ m}^2$

# Mathletics

## Holiday Review – Year Seven

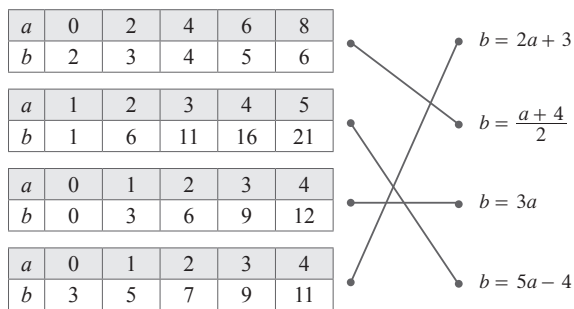
### Converting Units:

Combo time!



M A S S I V E  
1 2 3 4 5 6 7

### Algebra Basic:



a Rule:  $y = x + 5$

$x$	0	1	2	3	4
$y$	5	6	7	8	9

b Rule:  $n = 4 \times m$  or  $n = 4m$

$m$	0	1	2	3	4
$n$	0	4	8	12	16

c Rule:  $q = p - 3$

$p$	0	1	2	3	4
$q$	-3	-2	-1	0	1

d Rule:  $d = 4c - 5$

$c$	0	1	2	5	6
$d$	-5	-1	3	15	19

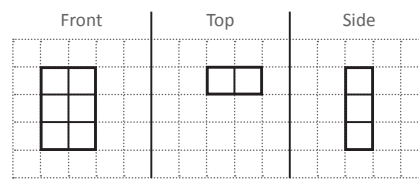
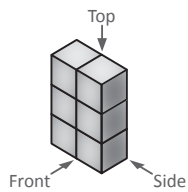
# Mathletics

## Holiday Review – Year Seven

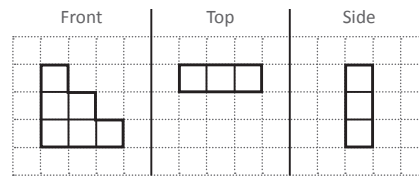
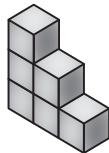
### Solids:

Different views of solids

a



b



c

