GPLMS

Revision Programme

GAUTENG PROVINCE
Department: Education
REPUBLIC OF SOUTH AFRICA

GRADE 4

Booklet

Learner's name: _____

School name: _____

Day 1.

1. **Read carefully**:

a) The place or position of a digit in a number gives the value of that digit.

b) In the number 4237, 4, 2, 3 and 7 are called digits. 4 is the thousands digit, 2 is the hundreds digit, 3 is the tens digit and 7 is the units digit.

c) In the number 4237, the value of digit 4 is 4000, the value of digit 2 is 200, the value of digit 3 is 30 and the value of digit 7 is 7.

d) 4237 is read "four thousand two-hundred and thirty-seven".

e) 4237 written in expanded form is 4000+200+30+7 or 4×1000 + 2×100 + 3×10 + 7

f) 4237 contains 4237 units, 423 tens, 42 hundreds or 4 thousands.

2. Write down the number name of each of the following numbers.

a) 781 _____

b) 2964 _____

c) 6532 _____

3. Write each of the expanded numbers in the short form.

a) 4×1000+7×100+3×10+2 = _____

b) 8000+50+6 = _____

c) 34×100+17×10 = _____

4. Write in the expanded form.

Example: 5843 = 5 thousands + 8 hundreds + 4 tens + 3 units
or 5×1000 + 8×100 + 4×10 + 3
or 5000 + 800 + 40 + 3

a) 628 = _____

or _____

or _____

b) 7159 = _____

or _____

or _____

5. Complete:

a) The units digit in the number 5826 is _____.

b) The tens digit in the number 8658 is _____.

c) The hundreds digit in the number 2856 is _____.

d) The thousands digit in the number 6285 is _____.

6. Complete:

a) The value of digit 6 in the number 4562 is _____.

b) The value of digit 4 in the number 7421 is _____.

c) The value of digit 9 in the number 9743 is _____.

7. Complete:

a) In 4000 there are _____ thousands or _____ hundreds or _____ tens.

b) In 2637 there are _____ thousands or _____ hundreds or _____ units.

8. Write down the number which is made up of

a) Two thousands, seven hundreds and eighty-three units _____.

b) Three thousands, twenty-five hundreds and six units _____.

c) Five thousands, four hundreds, six tens and thirty-one units _____.

Day 2.

1. Write down the numbers from the smallest to the biggest.

a) 768 867 687 876 678

_____

b) 5873 5378 5738 5837 5783

_____

c) 4269 2496 4629 4694 2946

_____

2. Write down the numbers from the biggest to the smallest.

a) 849 948 938 894 984

_____

b) 3762 3462 3662 3862 3362

_____

c) 6753 7563 7536 6735 6573

_____

3. Remember the symbol " >" is read "**is greater than**" and the symbol " < " is read "**is smaller than**".

4. Write " > " or " < " between each pair of numbers to make correct sentences.

Example: 7643 > 7463

b) 6204 _____ 6024

d) 3416 _____ 3641

f) 2579 _____ 2599

a) 5974 _____ 5947

c) 4888 _____ 4878

e) 7998 _____ 8001

g) 8254 _____ 8154

5. Write down the whole number which is between

a) 2469 and 2471 _____

b) 5311 and 5313 _____

c) 6299 and 6301 _____

6. Complete:

a) The number that is 10 more than 179 is _____

b) The number that is 10 less than 179 is _____

c) The number that is 10 more than 1498 is _____

d) The number that is 10 less than 1498 is _____

e) The number that is 100 more than 2362 is _____

f) The number that is 100 less than 2362 is _____

g) The number that is 100 more than 5897 is _____

h) The number that is 100 less than 5897 is _____

i) The number that is 100 more than 4795 is _____

j) The number that is 100 less than 4795 is _____

7. Write down the next three numbers in each sequence.

a) 3456; 3457; 3458; _____.

b) 7434; 7433; 7432; _____.

c) 5647; 5657; 5667; _____.

d) 2335; 2325; 2315; _____.

e) 4583; 4683; 4783; _____.

f) 6419; 6319; 6219; _____.

Day 3.

1. Write down the answers as quickly as you can.

a) 5 + 3 = _____	b) 6 + 5 = _____	c) 9 + 3 = _____	d) 7 + 6 = _____
7 + 2 = _____	7 + 4 = _____	7 + 5 = _____	8 + 5 = _____
3 + 4 = _____	8 + 3 = _____	8 + 4 = _____	9 + 4 = _____
2 + 3 = _____	9 + 2 = _____	6 + 6 = _____	4 + 9 = _____
e) 11 + 4 = _____	f) 12 + 3 = ____	g) 13 + 4 = _____	h) 14 + 3 = _____
11 + 6 = _____	12 + 6 = ____	13 + 6 = _____	14 + 5 = _____
11 + 9= _____	12 + 8 = ____	13 + 7 = _____	14 + 6 = _____
i) 15 + 2 = _____	j) 16 + 1 = ____	k) 17 + 1 = _____	l) 13 + 3 = _____
15 + 4 = _____	16 + 2 = ____	17 + 2 = _____	14 + 4 = _____
15 + 5 = _____	16 + 4 = ____	17 + 3 = _____	16 + 3 = _____

2. Write down the answers of the following addition sums.

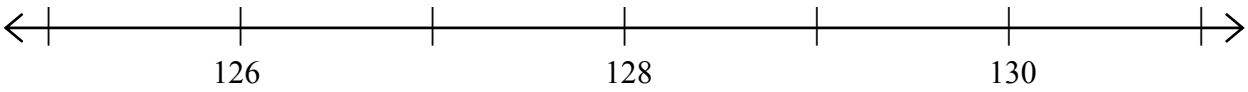
a) 12 + 1 + 7 = ____	b) 4 + 1 + 15 = ____	c) 14 + 5 = ___	d) 15 + 6 = ___
11 + 2 + 7 = ____	6 + 1 + 13 = ____	14 + 7 = ___	15 + 8 = ___
13 + 2 + 5 = ____	7 + 1 + 12 = ____	14 + 9 = ___	15 + 9 = ___
e) 16 + 6 = ____	f) 17 + 5 = ____	g) 18 + 6 = ___	h) 19 + 5 = ___
16 + 8 = ____	17 + 7 = ____	18 + 7 = ___	19 + 7 = ___
16 + 9 = ____	17 + 8 = ____	18 + 9 = ___	19 + 9 = ___

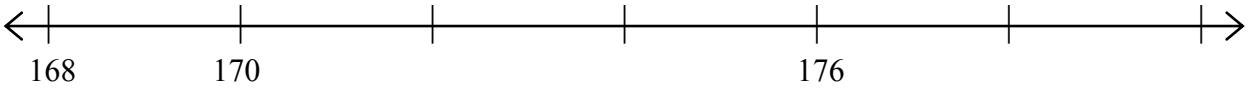
3. Fill up tens to complete.

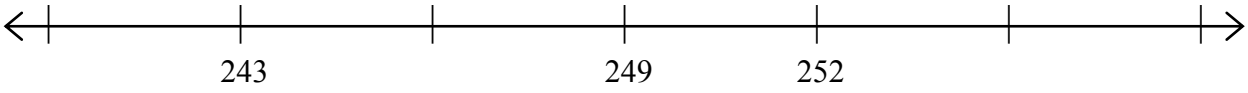
Example: $\dot{17} + 9 + \dot{3} = 29$ because $17 + 3 = 20$

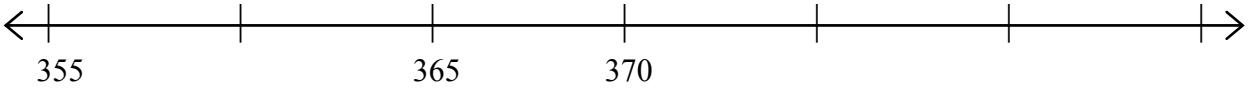
a) 14 + 8 + 6 = _____	b) 11 + 7 + 9 = _____	c) 12 + 9 + 8 = _____
16 + 9 + 4 = _____	13 + 9 + 7 = _____	19 + 8 + 1 = _____
18 + 7 + 2 = _____	15 + 8 + 5 = _____	14 + 9 + 6 = _____

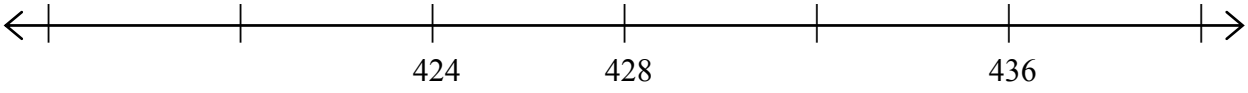
4. Write down the missing numbers on each number line.

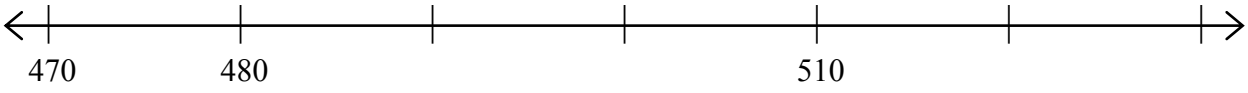
a) 

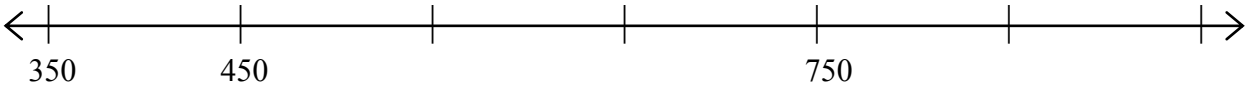
b) 

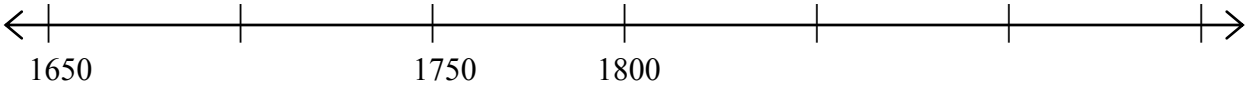
c) 

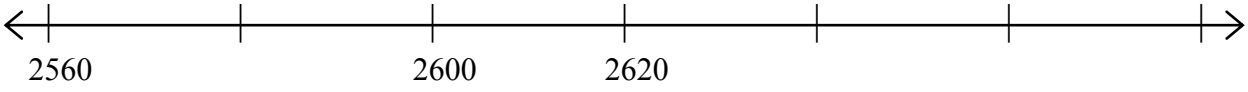
d) 

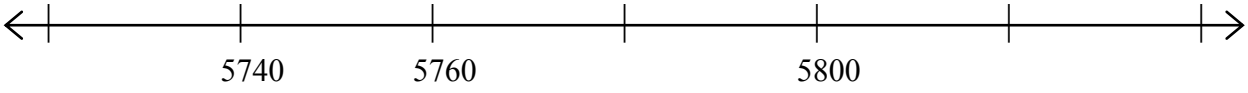
e) 

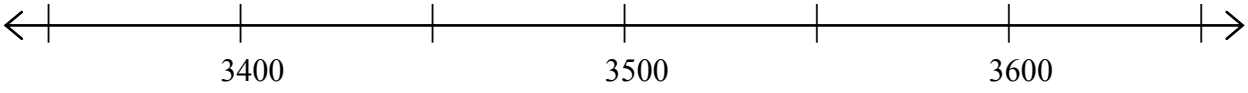
f) 

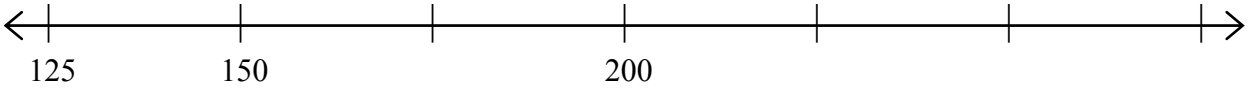
g) 

h) 

i) 

j) 

k) 

l) 

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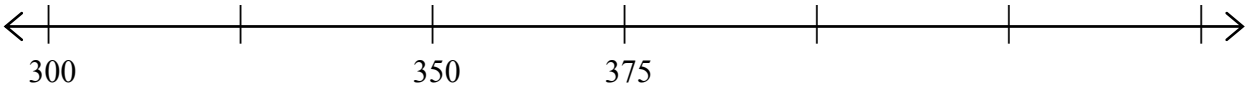

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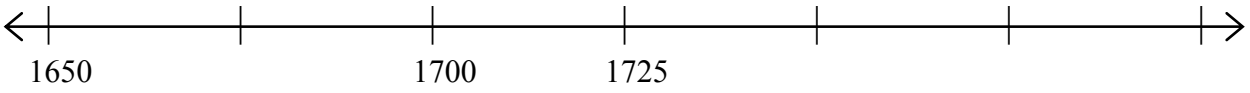


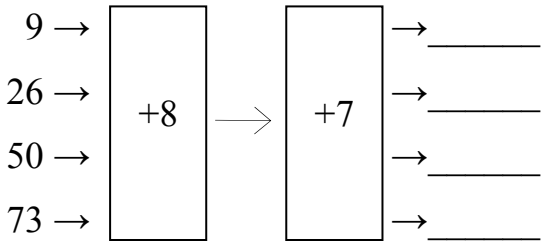
Day 4.

1. Complete:

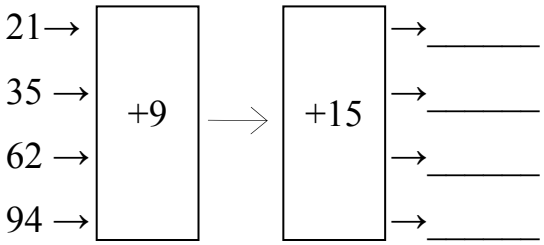
a)	b)	c)	d)
6 + 3 = _____	9 + 4 = _____	8 + 6 = _____	7 + 5 = _____
26 + 3 = _____	19 + 4 = _____	18 + 6 = _____	17 + 5 = _____
56 + 3 = _____	39 + 4 = _____	48 + 6 = _____	37 + 5 = _____
76 + 3 = _____	69 + 4 = _____	78 + 6 = _____	87 + 5 = _____

2. Complete each flow-diagram.

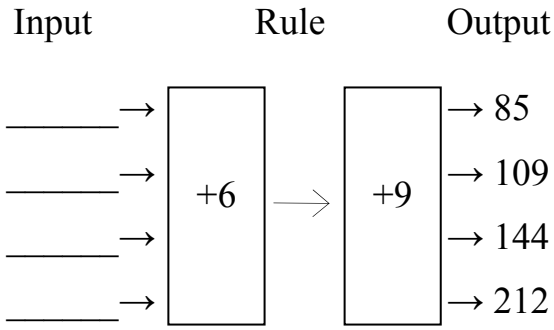
a)



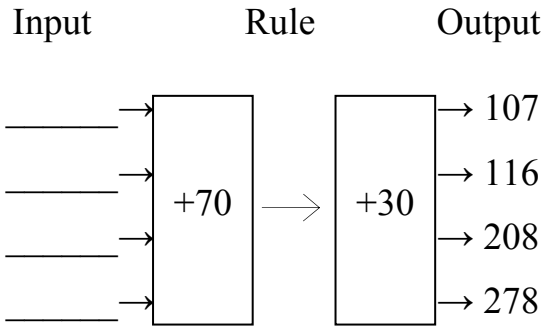
b)



c)



d)



3. Double each of the given numbers by using repeated addition.

Example: Double 26 = 26 + 26
= 20 + 6 + 20 + 6
= 40 + 12
= 52

a) Double 47 = _____
= _____
= _____
= _____

b) Double 345 = _____
= _____
= _____
= _____

c) Double 2681 = _____
= _____
= _____
= _____

4. Write down the next 3 numbers in each sequence.

a) 2764; 2766; 2768; _____.
b) 5346; 5344; 5342; _____.
c) 3645; 3648; 3651; _____.
d) 4968; 4965; 4962; _____.
e) 1745; 1750; 1755; _____.
f) 6325; 6320; 6315; _____.
g) 1838; 1842; 1846; _____.
h) 9524; 9520; 9516; _____.

Day 5.

1. Complete each number-chain.

a) 63 $\xrightarrow{+4}$ _____ $\xrightarrow{+5}$ _____ $\xrightarrow{+6}$ _____

b) 46 $\xrightarrow{+7}$ _____ $\xrightarrow{+8}$ _____ $\xrightarrow{+3}$ _____

c) 87 $\xrightarrow{+8}$ _____ $\xrightarrow{+9}$ _____ $\xrightarrow{+8}$ _____

d) 168 $\xrightarrow{-8}$ _____ $\xrightarrow{-8}$ _____ $\xrightarrow{-7}$ _____

e) 295 $\xrightarrow{-9}$ _____ $\xrightarrow{-9}$ _____ $\xrightarrow{-9}$ _____

f) 343 $\xrightarrow{-8}$ _____ $\xrightarrow{-8}$ _____ $\xrightarrow{-8}$ _____

g) 132 $\xrightarrow{+9}$ _____ $\xrightarrow{-8}$ _____ $\xrightarrow{-7}$ _____

h) 254 $\xrightarrow{+12}$ _____ $\xrightarrow{-15}$ _____ $\xrightarrow{+19}$ _____

2. Write down the next 3 numbers in each sequence.

a) 1570; 1580; 1590; _____.

b) 3440; 3430; 3420; _____.

c) 2540; 2560; 2580; _____.

d) 6380; 6360; 6340; _____.

e) 4250; 4200; 4150; _____.

f) 8050; 8000; 7950; _____.

g) 3700; 3800; 3900; _____.

h) 8800; 8700; 8600; _____.

i) 1450; 1475; 1500; _____.

j) 1775; 1750; 1725; _____.

3. **Addition of 3-digit and/or 4-digit numbers**

"Break-down" both numbers and then add units, tens, hundreds and thousands.

Example:	247 + 368	or	7 + 8 = 15
=	200 + 40 + 7 + 300 + 60 + 8	and	40 + 60 = 100
=	200 + 300 + 40 + 60 + 7 + 8	and	200 + 300 = 500
=	500 + 100 + 15	means	247 + 368 = 615
=	615		

a) 835 + 586 or 5 + 6 = _____

b) 593 + 378 or _____

c) 3274 + 869 or 4 + 9 = _____

70 + _____ = _____

200 + _____ = _____

3000 + _____ = _____

d) 4596 + 3745 or _____

Day 6.

1. Use the "vertical-column method" to add the 3-digit numbers.
The calculation is the same as in the "breaking-down method", but you will write the units digits under one another, the tens digits under one another and the hundreds digits under one another.

Examples:

a) 454 + 523 = 977
Step 1: 4 + 3 = 7
Step 2: 50 + 20 = 70
Step 3: 400 + 500 = 900

b) 586 + 267 = 853
Step 1: 6 + 7 = 13 = 1T + 3U
Step 2: 80+60+10 = 150 = 1H + 5T
Step 3: 500+200+100 = 800

c) 257 + 164 = ____

d) 473 + 358 = ____

e) 469 + 656 = ____

f) 765 + 177 = ____

g) 777 + 333 = ____

h) 655 + 566 = ____

i) 385 + 538 = ____

j) 976 + 327 = ____

2. Use the "vertical-column method" to add the given numbers.

a) 5641 + 2168 = ____

b) 3158 + 4903 = ____

c) 3371 + 4193 = ____

d) 4602 + 3988 = ____

e) 4876 + 3429 = ____

f) 1738 + 5291 = ____

g) 4444 + 6666 = ____

h) 8282 + 2828 = ____

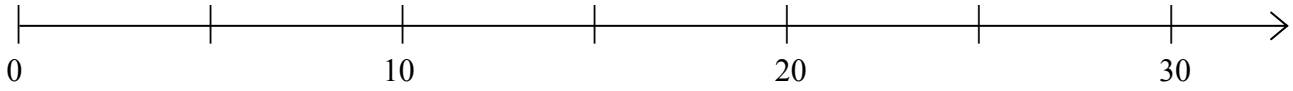
i) 5878 + 2124 = ____

j) 4756 + 6574 = ____

k) 2652 + 7289 = ____

l) 3758 + 4692 = ____

Day 7.

1. 

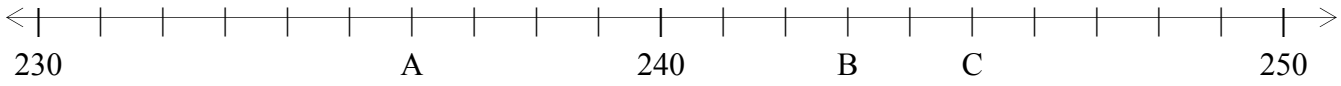
Use the above number line to round off each of the given numbers to the nearest 10.

	Examples:	
a)	14 rounded off to the nearest 10 is 10.	(14 is closer to 10 than to 20)
b)	17 rounded off to the nearest 10 is 20.	(17 is closer to 20 than to 10)
c)	15 rounded off to the nearest 10 is 20.	(15 is equally far from 10 and 20)

d) 28 rounded off to the nearest 10 is _____. (28 is closer to _____ than to _____)

e) 23 rounded off to the nearest 10 is _____. (23 is closer to _____ than to _____)

f) 25 rounded off to the nearest 10 is _____. (25 is _____)

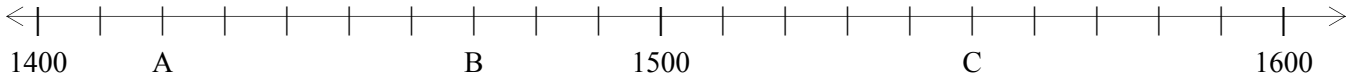
2. 

a) A represents the number _____ and is closer to _____ than to _____

b) The number _____, represented by A, rounded off to the nearest 10 is _____

c) The number _____, represented by B, rounded off to the nearest 10 is _____

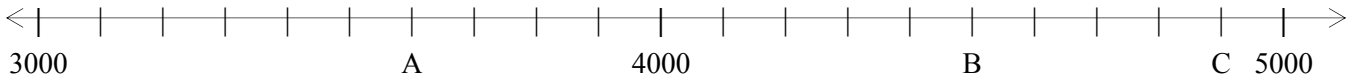
d) The number _____, represented by C, rounded off to the nearest 10 is _____

3. 

a) The number _____, represented by A, rounded off to the nearest 100 is _____

b) The number _____, represented by B, rounded off to the nearest 100 is _____

c) The number _____, represented by C, rounded off to the nearest 100 is _____

4. 

a) The numbers represented by A, B and C are _____

b) The number _____, represented by A, rounded off to the nearest 1000 is _____

c) The number _____, represented by B, rounded off to the nearest 1000 is _____

d) The number _____, represented by C, rounded off to the nearest 1000 is _____

5.

	Number	Number rounded off to the nearest 10	Number rounded off to the nearest 100	Number rounded off to the nearest 1000
a)	653			
b)	3491			
c)	5538			
d)	8735			

6. Estimate the answers by rounding off each number to the nearest 10, 100 or 1000. The symbol "≈" reads "**is approximately equal to**".

Example:
a) 346 + 297 ≈ 350 + 300 ≈ 650 to the nearest 10.
b) 346 + 297 ≈ 300 + 300 ≈ 600 to the nearest 100.
c) 2433 + 3691 ≈ 2000 + 4000 ≈ 6000 to the nearest 1000.

d) 663 + 198 ≈ _____ + _____ ≈ _____ to the nearest 10.

e) 3796 + 1236 ≈ _____ + _____ ≈ _____ to the nearest 100.

f) 5384 + 3478 ≈ _____ + _____ ≈ _____ to the nearest 100.

g) 5384 + 3478 ≈ _____ + _____ ≈ _____ to the nearest 1000.

Day 8.

1. Write down the answers as quickly as you can.

a) 10 - 3 = _____	b) 11 - 2 = _____	c) 12 - 4 = _____	d) 13 - 4 = _____
10 - 5 = _____	11 - 4 = _____	12 - 5 = _____	13 - 6 = _____
10 - 8 = _____	11 - 6 = _____	12 - 8 = _____	13 - 7 = _____
10 - 9 = _____	11 - 8 = _____	12 - 9 = _____	13 - 8 = _____
e) 14 - 3 = _____	f) 15 - 4 = _____	g) 16 - 7 = _____	h) 18 - 9 = _____
14 - 6 = _____	15 - 7 = _____	16 - 8 = _____	18 - 18 = _____
14 - 7 = _____	15 - 8 = _____	17 - 8 = _____	19 - 9 = _____
14 - 9 = _____	15 - 9 = _____	17 - 9 = _____	19 - 19 = _____

2. Calculate:

a) 16 - 3 - 4 = ____
16 - 7 - 2 = ____
16 - 5 - 3 = ____

b) 17 - 5 - 4 = ____
17 - 6 - 5 = ____
17 - 8 - 2 = ____

c) 18 - 5 - 4 = ____
18 - 8 - 5 = ____
18 - 9 - 2 = ____

d) 19 - 6 - 5 = ____
19 - 7 - 8 = ____
19 - 8 - 6 = ____

3. Calculate:

a) 20 - 9 = _____
20 - 12 = _____
20 - 14 = _____

b) 22 - 6 = _____
22 - 9 = _____
22 - 13 = _____

c) 25 - 6 = _____
25 - 7 = _____
25 - 9 = _____

d) 28 - 16 = _____
28 - 13 = _____
28 - 9 = _____

4. Write down the answers as quickly as you can.

a) 60 - 20 = _____
80 - 30 = _____
90 - 50 = _____

b) 110 - 60 = _____
140 - 80 = _____
170 - 90 = _____

c) 220 - 70 = _____
330 - 90 = _____
440 - 80 = _____

5. Complete:

a) 35 is 7 more than _____
b) 44 is 6 more than _____
c) 58 is 9 more than _____
d) 87 is 20 more than _____
e) 73 is 40 more than _____
f) 129 is 30 more than _____
g) 163 is 70 more than _____
h) 212 is 50 more than _____

6. Write down the next 4 numbers in each sequence.

a) 174 ; 173 ; 172 ; _____
b) 174 ; 172 ; 170 ; _____
c) 174 ; 171 ; 168 ; _____
d) 265 ; 260 ; 255 ; _____
e) 340 ; 330 ; 320 ; _____

7. Write down the next 3 numbers in each sequence.

a) 900 ; 800 ; 700 ; _____

b) 650 ; 600 ; 550 ; _____

c) 380 ; 360 ; 340 ; _____

d) 700 ; 680 ; 660 ; _____

e) 400 ; 375 ; 350 ; _____

f) 875 ; 850 ; 825 ; _____

Day 9.

1. "Break-down" both numbers, subtract the units from one another, the tens from one another and the hundreds from one another.
To subtract 67 means to subtract 60 and then 7 or subtract 7 and then 60.

Example:	or	or
369 - 134	9 - 4 = 5	369 = 300 + 60 + 9
= 300 + 60 + 9 - 100 - 30 - 4	and 60 - 30 = 30	- 134 = - 100 - 30 - 4
= 300 - 100 + 60 - 30 + 9 - 4	and 300 - 100 = 200	346 - 134 = 200 + 30 + 5
= 200 + 30 - 5	means 369 - 134 = 235	= 235
= 235		

Calculate the difference between the given numbers in 2 different ways.

a) 467 - 254 or _____

_____ _____

_____ _____

_____ _____

_____ _____

b) 978 - 745 or _____

_____ _____

_____ _____

_____ _____

_____ _____

2. Fill in the missing numbers to make correct sentences:

a) 346 = 300 + _____ + 6 or 346 = 300 + 30 + _____ or 346 = 200 + _____ + 6

b) 575 = 500 + 70 + _____ or 575 = 500 + _____ + 15 or 575 = 400 + _____ + 5

c) 2869 = 2000 + _____ + 60 + 9 or 2000 + 700 + _____ 9 or 1000 + _____ + 60 + 9

d) 4283 = 4000 + ____ + ____ + 3 or 4000 + 100 + ____ + 3 or 3000 + ____ + 70 + ____

3. Use the "breaking-down method" to calculate the **difference** between

a) 782 and 367 b) 655 and 463 c) 2674 and 952 d) 3586 and 1854

a) 782 – 367 or 12 – 7 = _____

= 700 + 80 + 2 – 300 – 60 – 7 and 70 – _____ = _____

= 700 + _____ + 12 – 300 – 60 – 7 and 700 – _____ = _____

= _____ means 782 – 367 = _____

= _____

b) 655 – 463 or 655 = 500 + _____ + _____

= _____ – 463 = – 400 – 60 – 3

= _____ 655 – 463 = _____

= _____ = _____

= _____

c) 2674 = _____

– 952 = _____

_____

_____

d) 3586 = _____

– 1854 = _____

_____

_____

Day 10.

1. Use the "vertical-column method" to subtract the smaller number from the bigger number in each of the following.

Example:

$$\begin{array}{r} {\scriptstyle 4\ 13\ \ 3\ 16} \\ 5\ 3\ 4\ 6 \\ -\ 2\ 4\ 2\ 8 \\ \hline 2\ 9\ 1\ 8 \end{array}$$

Step 1: We cannot subtract 8U from 6U
Step 2: We write 46 as 3T + 16U
Step 3: 16U – 8U = 8U
Step 4: 3T – 2T = 1T
Step 5: We cannot subtract 4H from 3H
Step 6: We write 53H as 40H + 13H
Step 7: 13H – 4H = 9H and 4Th – 2Th = 2Th

Do you see that 5346 was actually written as 4000 + 1300 + 30 + 16?

a)	6 5 7 2 - 2 3 4 7 _____	b)	4 5 5 4 - 2 4 6 1 _____	c)	3 8 2 9 - 2 7 9 4 _____	d)	5 7 4 5 - 3 8 3 2 _____
e)	7 6 4 9 - 3 5 6 4 _____	f)	8 4 2 8 - 4 1 8 7 _____	g)	6 4 9 5 - 2 6 6 8 _____	h)	9 3 5 4 - 6 4 7 5 _____

2. Complete:

a) 13 + 9 = 22 means 22 – 9 = _____ and 22 – 13 = _____

b) 27 + 58= 85 means 85 - 58 = _____ and 85 – 27 = _____

c) 17 - 8 = 9 means 9 + _____ = 17 and 17 – 9 = _____

d) 96 – 24 = 72 means _____ and _____

3. Check the answers in question 1(a) – 1 (d) by doing an addition sum.

a)	_____ + 2 3 4 7 _____	b)	_____ _____ _____	c)	_____ _____ _____	d)	_____ _____ _____

4) Use the "vertical-column method" to answer the following questions.

a) Calculate the sum of 2593 and 3625.

b) Calculate the difference between 2943 and 867.

c) How much is 5476 more than 3295?

a) _____
_____
_____
_____

b) _____
_____
_____
_____

c) _____
_____
_____
_____

Day 11.

1. Complete each of the following multiplication grids.

What do you notice about row 2 and row 3 in a) - d)?

a)

×	1	2	3	4	5	6	7	8	9	10
2										
4										

b)

×	1	2	3	4	5	6	7	8	9	10
3										
6										

c)

×	1	2	3	4	5	6	7	8	9	10
4										
8										

d)

×	1	2	3	4	5	6	7	8	9	10
3										
9										

e)

×	1	2	3	4	5	6	7	8	9	10
7										

2. Complete:

a) $3 \times 10 =$ _____
$4 \times 10 =$ _____
$5 \times 10 =$ _____
$6 \times 10 =$ _____

b) $7 \times 10 =$ _____
$8 \times 10 =$ _____
$9 \times 10 =$ _____
$10 \times 10 =$ _____

c) $2 \times 20 =$ _____
$3 \times 20 =$ _____
$4 \times 20 =$ _____
$5 \times 20 =$ _____

d) $2 \times 30 =$ _____
$3 \times 30 =$ _____
$2 \times 40 =$ _____
$2 \times 50 =$ _____

3. Write down the answers as quickly as you can.

a) $10 \times 2 =$ _____
$9 \times 2 =$ _____
$8 \times 2 =$ _____
$7 \times 2 =$ _____

b) $10 \times 3 =$ _____
$9 \times 3 =$ _____
$8 \times 3 =$ _____
$7 \times 3 =$ _____

c) $10 \times 4 =$ _____
$9 \times 4 =$ _____
$8 \times 4 =$ _____
$7 \times 4 =$ _____

d) $10 \times 5 =$ _____
$9 \times 5 =$ _____
$8 \times 5 =$ _____
$7 \times 5 =$ _____

e) $5 \times 2 =$ _____
$5 \times 4 =$ _____
$6 \times 2 =$ _____
$6 \times 4 =$ _____

f) $7 \times 2 =$ _____
$7 \times 4 =$ _____
$8 \times 2 =$ _____
$8 \times 4 =$ _____

g) $4 \times 3 =$ _____
$8 \times 3 =$ _____
$4 \times 5 =$ _____
$8 \times 5 =$ _____

h) $3 \times 4 =$ _____
$6 \times 4 =$ _____
$3 \times 3 =$ _____
$6 \times 3 =$ _____

i) $7 \times 1 =$ _____
$8 \times 2 =$ _____
$5 \times 3 =$ _____
$6 \times 5 =$ _____

j) $4 \times 4 =$ _____
$5 \times 5 =$ _____
$3 \times 3 =$ _____
$2 \times 2 =$ _____

k) $9 \times 3 =$ _____
$8 \times 4 =$ _____
$7 \times 5 =$ _____
$6 \times 2 =$ _____

l) $10 \times 2 =$ _____
$9 \times 5 =$ _____
$8 \times 3 =$ _____
$7 \times 4 =$ _____

4.

a) Because $1 \times 2 = 2$, $2 \times 2 = 4$, $3 \times 2 = 6$, $4 \times 2 = 8$, $5 \times 2 = 10$ we say that 2,4,6,8 and 10 are the first 5 multiples of 2.

b) Thus 12 is the fourth multiple of 3 and 35 is the seventh multiple of 5 or 35 is the fifth multiple of 7.

c) Also, any multiple of 2 is called an **even** number. This means that whole numbers in which the units digit is 0,2,4,6, or 8 will be **even** numbers.

d) Numbers in which the units digit is 1,3,5,7 or 9 are called **odd** numbers.

5. Write down the multiples of

a) 3 between 12 and 27 _____

b) 6 between 30 and 60 _____

c) 7 between 42 and 77 _____

d) 9 between 45 and 90 _____

6. Underline the even numbers and draw a circle around the odd numbers in the list below.

267 436 5148 3790 6985 1974

Day 12.

1. Complete:

a) $8 \times 6 =$ _____	b) $4 \times 9 =$ _____	c) $3 \times 7 =$ _____	d) $9 \times 7 =$ _____
$5 \times 9 =$ _____	$8 \times 8 =$ _____	$7 \times 8 =$ _____	$8 \times 5 =$ _____
$9 \times 8 =$ _____	$7 \times 5 =$ _____	$9 \times 5 =$ _____	$7 \times 7 =$ _____
$6 \times 7 =$ _____	$9 \times 6 =$ _____	$6 \times 6 =$ _____	$9 \times 8 =$ _____

2. Complete:

Example: $4 \times 30 = 4 \times 3$ tens $= 12$ tens $= 120$

Also $20 \times 40 = 2$ tens $\times 4$ tens $= 8$ hundreds $= 800$.

a) $2 \times 10 =$ _____	b) $3 \times 30 =$ _____	c) $6 \times 10 =$ _____	d) $8 \times 40 =$ _____
$2 \times 20 =$ _____	$4 \times 20 =$ _____	$6 \times 30 =$ _____	$7 \times 30 =$ _____
$3 \times 20 =$ _____	$5 \times 20 =$ _____	$7 \times 20 =$ _____	$9 \times 50 =$ _____
e) $10 \times 20 =$ _____	f) $20 \times 30 =$ _____	g) $30 \times 30 =$ _____	h) $60 \times 20 =$ _____
$10 \times 30 =$ _____	$20 \times 40 =$ _____	$30 \times 50 =$ _____	$70 \times 20 =$ _____
$10 \times 60 =$ _____	$20 \times 60 =$ _____	$30 \times 70 =$ _____	$90 \times 30 =$ _____

3. Multiply the units digit by the multiplier and the tens digit by the multiplier.

Example: 4×63

Answer: $4 \times 3 = 12$

and $4 \times 60 = 240$

means $4 \times 63 = 252$

a) 5×38

_____

_____

_____

b) 7×67

_____

_____

_____

c) 8×49

_____

_____

_____

4. Multiply by "breaking-down" the 2-digit number.

Example: $6 \times 34 = 6 \times (30 + 4)$

$= (6 \times 30) + (6 \times 4)$

$= 180 + 24$

$= 204$

a) $7 \times 43 = 7 \times$ (_____)

$=$ _____

$=$ _____

$=$ _____

b) $8 \times 56 =$ _____

$=$ _____

$=$ _____

$=$ _____

c) $9 \times 25 =$ _____

$=$ _____

$=$ _____

$=$ _____

5. Use the "vertical-column method" to calculate each answer.

Example:

+4 extra 10s

$$\begin{array}{r} 37 \\ \times\ 6 \\ \hline 222 \end{array}$$

Step 1: $6 \times 7 = 42 = 4T + 2U$

Step 2: Write down 2U

Step 3: $6 \times 3T = 18T$

Step 4: $18T + 4T = 22T$

a)

$$\begin{array}{r} 31 \\ \times\ 7 \\ \hline \\ \hline \end{array}$$

Step 1: $7 \times 1U =$ _____

Step 2: $7 \times 3T =$ _____

b)

$$\begin{array}{r} 43 \\ \times\ 5 \\ \hline \\ \hline \end{array}$$

c)

$$\begin{array}{r} 29 \\ \times\ 6 \\ \hline \\ \hline \end{array}$$

d)

$$\begin{array}{r} 78 \\ \times\ 3 \\ \hline \\ \hline \end{array}$$

e)

$$\begin{array}{r} 64 \\ \times\ 7 \\ \hline \\ \hline \end{array}$$

6. Multiplication of a 2-digit number by a 1-digit number in one step.

Example: Calculate 4×46 (2 extra tens)
$= 184$

Step 1: 4×6 units $= 24$ units $= 2T + 4U$
Step 2: Write down 4 units
Step 3: 4×4 tens $= 16$ tens $+ 2$ tens $= 18$ tens

a) $6 \times 14 =$ _____ b) $5 \times 23 =$ _____ c) $9 \times 35 =$ _____ d) $9 \times 61 =$ _____

e) $4 \times 63 =$ _____ f) $8 \times 53 =$ _____ g) $6 \times 48 =$ _____ h) $3 \times 98 =$ _____

7. Double each of the given numbers.

Example: Double $34 = 2 \times 34$
$= 68$

a) Double 42 = _____
= _____

b) Double 55 = _____
= _____

c) Double 124 = _____
= _____

d) Double 109 = _____
= _____

e) Double 146 = _____
= _____

Day 13.

1. Multiplication of any 2-digit whole number by a multiple of 10.

Example: Calculate 20×37

Answer:
20×37
$= 20 \times (30 + 7)$
$= (20 \times 30) + (20 \times 7)$
$= 600 + 140$
$= 740$

or

$$\begin{array}{r} {\scriptstyle 1}\\ 37 \\ \times\ 20 \\ \hline 00 \\ +\ 740 \\ \hline 740 \end{array}$$

Step 1: $0 \times 37 = 00$
Step 2: $20 \times 7 = 140 = 1H + 4T$
Step 3: Write down 4T
Step 4: $2T \times 3T = 6H$
Step 5: $6H + 1H = 7H$

a) 30×52
$= 30 \times$ (_____)
= _____
= _____
= _____

or

$$\begin{array}{r} 5\ 2 \\ \times\ 3\ 0 \\ \hline \_\_\_\_\_ \\ \_\_\_\_\_ \\ \_\_\_\_\_ \end{array}$$

b) 70×63 or $\begin{array}{r} 63 \\ \times\ 70 \\ \hline \\ \hline \\ \hline \end{array}$

$=$ _____

$=$ _____

$=$ _____

$=$ _____

2. Multiplication of any 2-digit number by any 2-digit number using the "vertical-column method".

Example:

$$\begin{array}{r} 47 \\ \times\ 28 \\ \hline 376 \\ +\ 940 \\ \hline 1316 \end{array} \quad \begin{array}{l} \\ \overset{5}{} \\ \leftarrow 8 \times 47 = 376 \\ \leftarrow 20 \times 47 = 10 \times 2 \times 47 = 10 \times 94 = 940 \\ \\ \end{array}$$

a) $\begin{array}{r} 34 \\ \times\ 16 \\ \hline \\ \hline \\ \hline \end{array}$

b) $\begin{array}{r} 53 \\ \times\ 27 \\ \hline \\ \hline \\ \hline \end{array}$

c) $\begin{array}{r} 49 \\ \times\ 34 \\ \hline \\ \hline \\ \hline \end{array}$

d) $\begin{array}{r} 56 \\ \times\ 42 \\ \hline \\ \hline \\ \hline \end{array}$

e) $\begin{array}{r} 28 \\ \times\ 53 \\ \hline \\ \hline \\ \hline \end{array}$

f) $\begin{array}{r} 64 \\ \times\ 37 \\ \hline \\ \hline \\ \hline \end{array}$

g) $\begin{array}{r} 95 \\ \times\ 18 \\ \hline \\ \hline \\ \hline \end{array}$

h) $\begin{array}{r} 87 \\ \times\ 46 \\ \hline \\ \hline \\ \hline \end{array}$

i) $\begin{array}{r} 59 \\ \times\ 13 \\ \hline \\ \hline \\ \hline \end{array}$

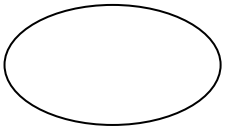
j) $\begin{array}{r} 61 \\ \times\ 19 \\ \hline \\ \hline \\ \hline \end{array}$

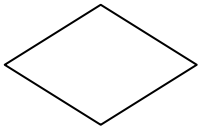
k) $\begin{array}{r} 74 \\ \times\ 26 \\ \hline \\ \hline \\ \hline \end{array}$

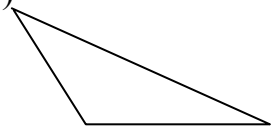
l) $\begin{array}{r} 98 \\ \times\ 37 \\ \hline \\ \hline \\ \hline \end{array}$

Day 14.

1. Mark the shapes which have **curved** sides with a "**c**" and those which have **straight** sides with an "**s**".

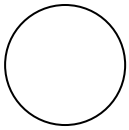
a) 

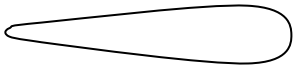
b) 

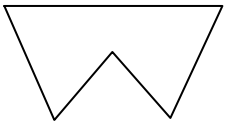
c) 

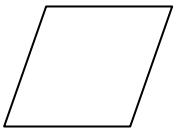
d) 

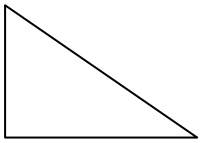
e) 

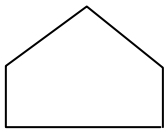
f) 

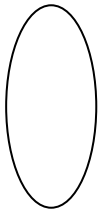
g) 

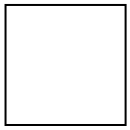
h) 

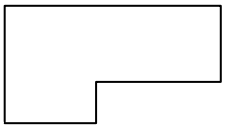
i) 

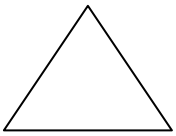
j) 

k) 

l) 

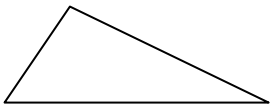
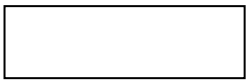
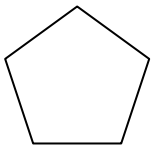
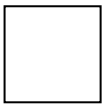
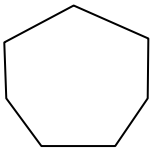
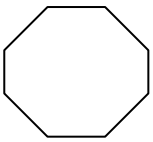
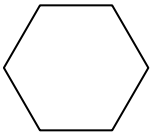
m) 

n) 

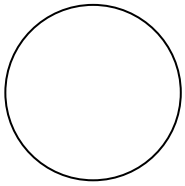
o) 

p) 

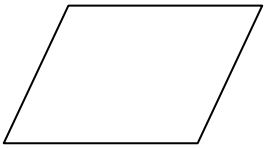
2. Closed shapes with 3 or more straight sides are named according to their number of sides. Fill in the missing numbers or words in the table.

Figure	Number of sides	Name
a) 		
b) 	4	
c) 		pentagon
d) 	4	
e) 	7	
f) 		
g) 		hexagon

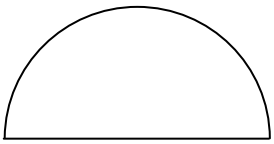
3. Draw a neat straight line to link each of the given figures with its name.

a) 

trapezium

b) 

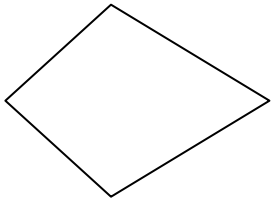
circle

c) 

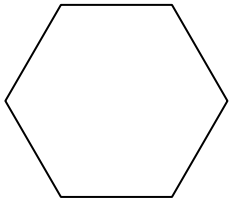
hexagon

d) 

parallelogram

e) 

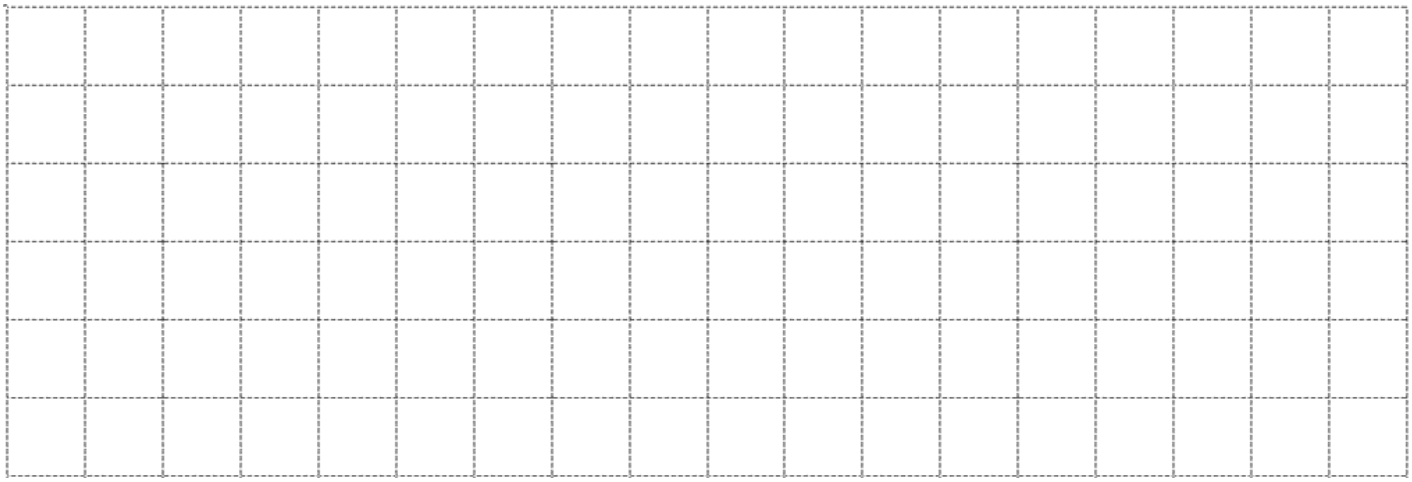
semi-circle

f) 

kite

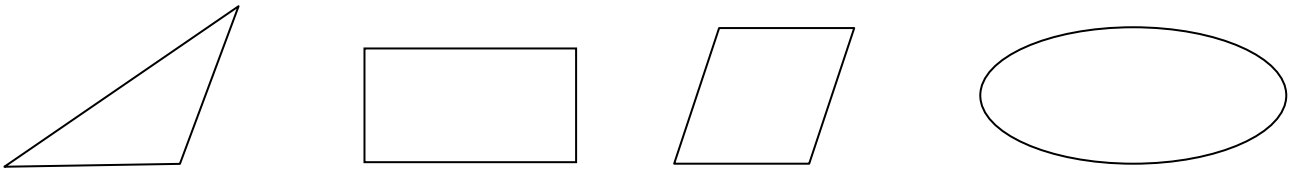
4. On the grid below, using a sharp pencil and a ruler you must draw

a) a rectangle which is 6 units long and 3 units wide.
b) a triangle in which 1 of the sides is 4 units long.



Day 15.

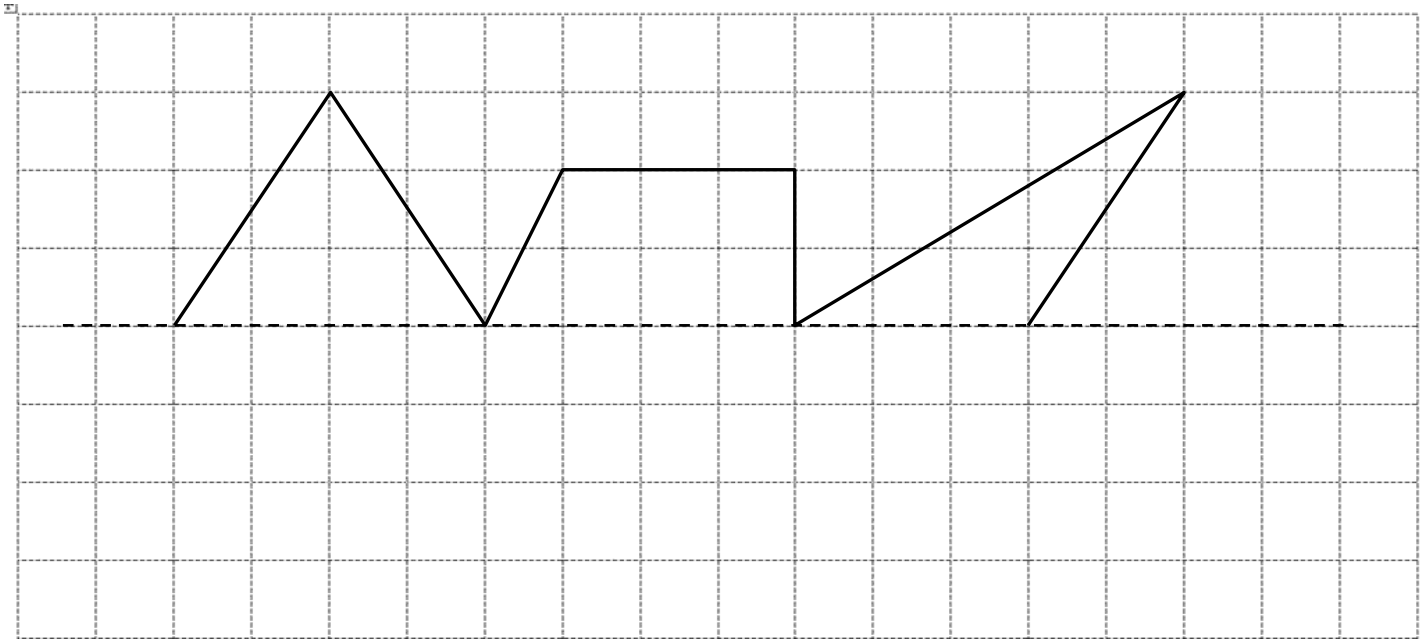
1.



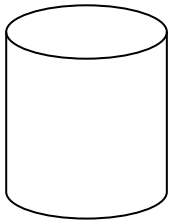
Which of the above diagrams are symmetrical in shape?

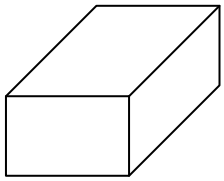
_____

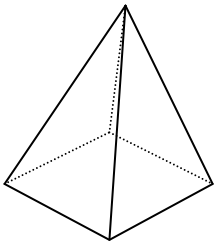
2. Draw the other part of the shape to make a symmetrical figure.

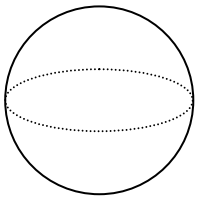


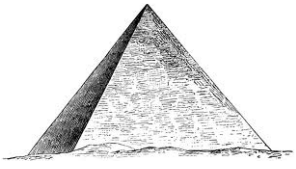
3. Draw a line between the picture of each article and its matching shape.

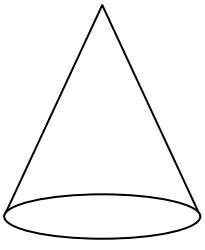




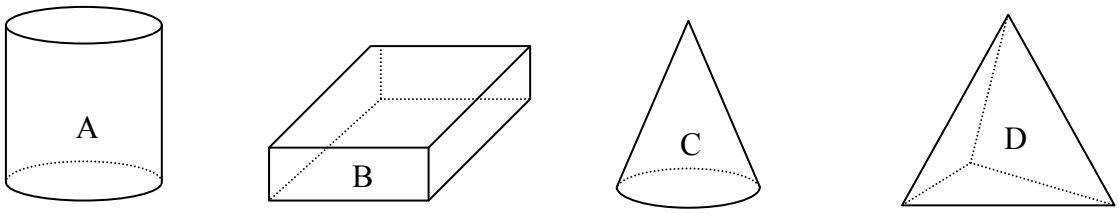








4.



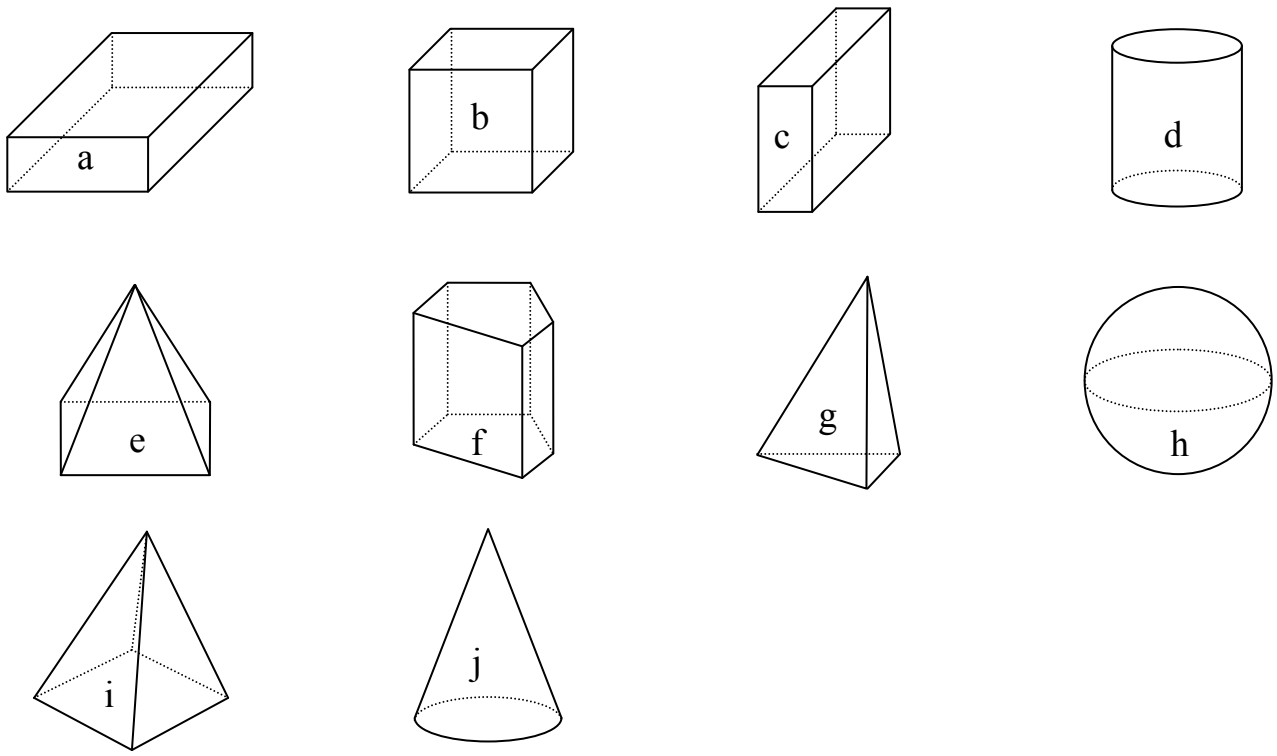
Which of the above 3-D shapes have flat surfaces that are

a) rectangles? _____

b) circles? _____

c) triangles? _____

5.



The above 10 figures are all 3-D shapes.

Complete:

a) The 3-D shape marked (b) is called a _____

b) The 3-D shape marked (d) is called a _____

c) The 3-D shape marked (h) is called a _____

d) The 3-D shape marked (i) is called a _____

e) The 3-D shape marked (j) is called a _____

6. Look at the figures in question 5 and then answer each of the questions.

a) Which figures have the same shape as figure (c)? _____

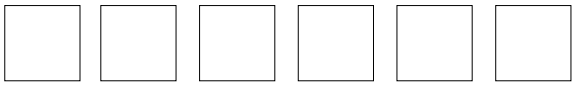
b) In which way are figures (d) and (j) alike?

_____

c) In which way is figure (g) different from figure (i)?

_____

7. Draw the shapes you would need to make

for example: a cube 

a) a cylinder

b) a rectangular prism

c) a square-based pyramid