GPLMS

Revision Programme

GAUTENG PROVINCE
Department: Education
REPUBLIC OF SOUTH AFRICA

GRADE 3

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 273, 2, 7 and 3 are called digits. 2 is the hundreds digit, 7 the tens digit and 3 the units digit.

c) In the number 273, the value of digit 2 is 200, the value of digit 7 is 70 and the value of digit 3 is 3.

d) 273 is read "two hundred and seventy-three".

e) 273 written in expanded form is 200 + 70 + 3 or 2 hundreds + 7 tens + 3 units.

f) 273 contains 273 units, 27 tens or 2 hundreds.

2.

a) The units digit in the number 74 is _____

b) The tens digit in the number 236 is _____

c) The tens digit in the number 326 is _____

d) The hundreds digit in the number 362 is _____

3. "Break-down" each number into hundreds, tens and units.

Example: 456 = 400 + 50 + 6 or 456 = 4×100 + 5×10 + 6 or 4H + 5T + 6U

a) 214 = _____

b) 421 = _____

c) 142 = _____

d) 392 = _____

e) 239 = _____

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

Example: 500 + 40 + 3 = 543

a) 700 + 30 + 1 = _____

b) 100 + 60 + 9 = _____

c) 300 + 50 + 6 = _____

d) 600 + 20 + 8 = _____

e) 400 + 80 + 8 = _____

5. In the number 572,

a) the value of digit 7 is _____

b) the value of digit 5 is _____

6. In the number 458,

a) the value of digit 4 is _____ b) the value of digit 5 is _____

7. Write down the number which contains

a) 4 units, 5 tens and 6 hundreds _____

b) 7 units, 8 tens and 0 hundreds _____

c) 15 units and 7 tens _____

d) 36 units and 4 hundreds _____

e) 0 units, 13 tens and 2 hundreds _____

8. Complete:

a) In 237 there are _____ units, _____ tens or _____ hundreds.

b) In 309 there are _____ units, _____ tens or _____ hundreds.

c) In 485 there are _____ units, _____ tens or _____ hundreds.

9. Write down the given numbers from the smallest to the greatest.

a) 125 142 152 124 215

_____

b) 237 537 137 337 437

_____

c) 475 465 425 415 445

_____

10. Write down the given numbers from the greatest to the smallest.

a) 104 102 109 107 103

_____

b) 522 526 528 520 524

_____

c) 335 325 345 315 355

_____

d) 572 372 672 772 472

_____

Day 2.

1. Write down the number name for each of the following.

a) 167 _____

b) 308 _____

c) 243 _____

d) 359 _____

e) 491 _____

f) 234 _____

2. Write down the number symbol and number name for the whole number that is between

a) 169 and 171 _____

b) 311 and 313 _____

3. Write down the number symbol and the number name for the whole number that comes directly before

a) 138 _____

b) 271 _____

c) 320 _____

4. Write down the number symbol and the number name for the whole number that comes directly after

a) 246 _____

b) 329 _____

c) 460 _____

5. Write "is greater than" or "is less than" between each pair of numbers to make the correct sentences.

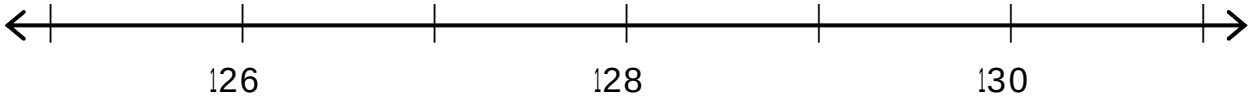
Examples: a) 343 is greater than 243 b) 227 is less than 272

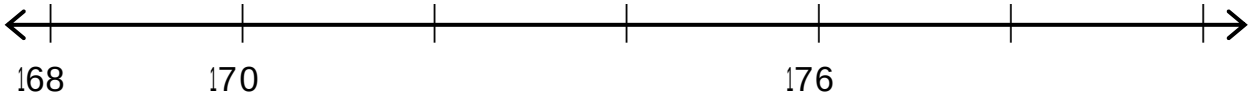
c) 526 _____ 562 d) 684 _____ 648

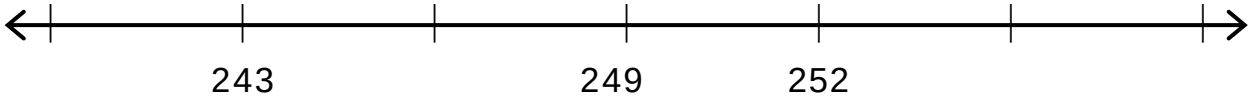
e) 435 _____ 465 f) 278 _____ 287

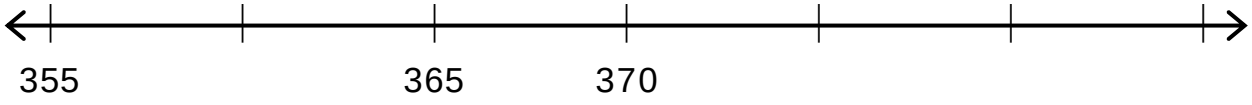
g) 702 _____ 692 h) 303 _____ 330

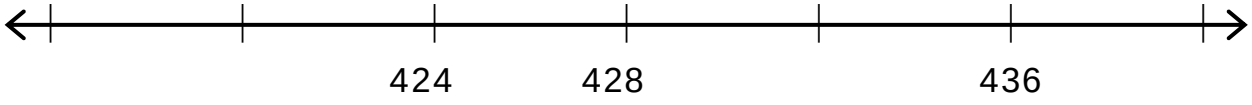
6. Write down the missing numbers on each number line.

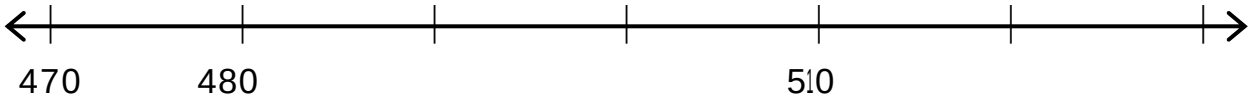
a) 

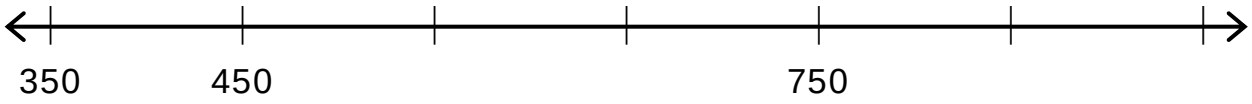
b) 

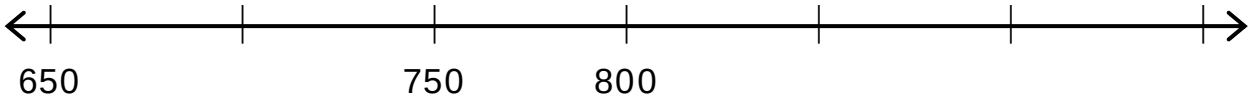
c) 

d) 

e) 

f) 

g) 

h) 

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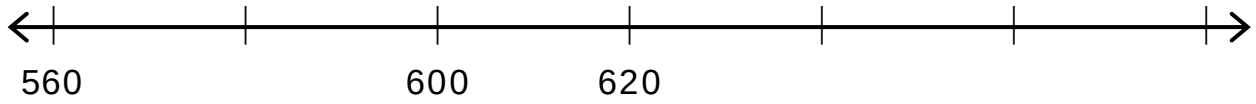

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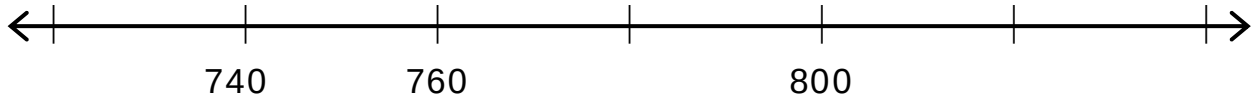

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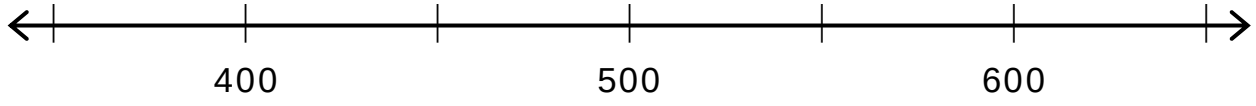

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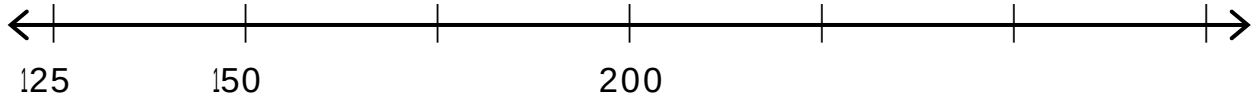

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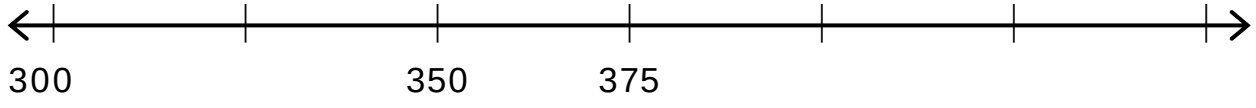

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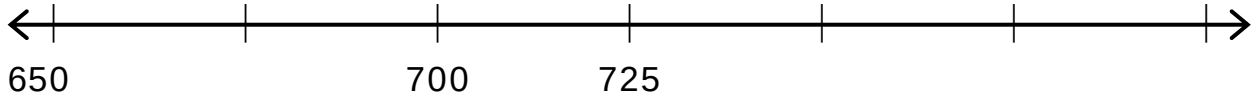


Day 3.

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. Complete 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**: 17 + 9 + 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 next 4 numbers in each sequence.

a) 240 ; 243 ; 246 ;_____
b) 240 ; 245 ; 250 ;_____
c) 240 ; 244 ; 248 ;_____
d) 240 ; 250 ; 260 ;_____

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

a) 200 ; 300 ; 400 ; _____
b) 350 ; 400 ; 450 ; _____
c) 420 ; 440 ; 460 ; _____
d) 700 ; 720 ; 740 ; _____
e) 700 ; 725 ; 750 ; _____
f) 525 ; 550 ; 575 ; _____

6. Write down the answers only.

a) 130 + 60 = _____	b) 240 + 50 = _____	c) 350 + 80 = _____
137 + 60 = _____	246 + 50 = _____	357 + 80 = _____
160 + 30 = _____	270 + 70 = _____	480 + 90 = _____
164 + 30 = _____	278 + 70 = _____	485 + 90 = _____

7. Calculate by "adding on".

Example:	357 + 49
Answer:	357 + 40 → 397 + 9 → 406

a) 263 + 156

263 + 100 → _____ + _____ → _____ + 6 → _____

b) 348 + 233

_____

c) 574 + 128

_____

d) 419 + 265

_____

8. Calculate by "filling up" tens.

Example: 267 + 76
= 267 + 3 + 73
= 270 + 73
= 343

27 tens + 7 tens = 34 tens

or 76 + 267
= 76 + 4 + 263
= 80 + 263
= 343

8 tens + 26 tens = 34 tens

a) 194 + 69
= _____
= _____
= _____

b) 289 + 149
= _____
= _____
= _____

Day 4. Addition of 3-digit numbers using various methods.

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

Method 1.

263 + 326
= 200 + 60 + 3 + 300 + 20 + 6
= 200 + 300 + 60 + 20 + 3 + 6
= 500 + 80 + 9
= 589

a) 318 + 276
= _____
= _____
= _____
= _____

b) 194 + 189

=

=

=

=

c) 422 + 379

=

=

=

=

d) 568 + 232

=

=

=

=

e) 633 + 148

=

=

=

=

Method 2.

Calculate: 236 + 326

Answer: 3 + 6 = 9

and 60 + 20 = 80

and 200 + 300 = 500

means 263 + 326 = 589

a) 347 + 154

b) 454 + 188

c) 514 +279

d) 176 + 286

e) 558 + 186

Method 3.

Calculate: 268 + 475

Answer: 268 = 200 + 60 + 8

+ 475 = 400 + 70 + 5

268 + 475 = 600 + 130 + 13

= 743

a) 325 = _____

\+ 278 = _____

= _____

= _____

= _____

b) 416 = _____

\+ 259 = _____

= _____

= _____

= _____

c) 593 = _____

\+ 185 = _____

= _____

= _____

= _____

2.

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 __)

e) 23 rounded off to the nearest 10 is ___ (23 is closer to __ than __)

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

3.

a)

Number	Number rounded off to the nearest 10
76	
103	
125	

b)

Number	Number rounded off to the nearest 10
247	
724	
465	

Day 5.

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 = __	b) 17 - 5 - 4 = __	c) 18 - 5 - 4 = __	d) 19 - 6 - 5 = __
16 - 7 - 2 = __	17 - 6 - 5 = __	18 - 8 - 5 = __	19 - 7 - 8 = __
16 - 5 - 3 = __	17 - 8 - 2 = __	18 - 9 - 2 = __	19 - 8 - 6 = __

3. Complete:

a) _____ is 5 less than 41	b) _____ is 7 less than 72
c) _____ is 8 less than 63	d) _____ is 9 less than 103
e) _____ is 10 less than 158	f) _____ is 20 less than 184
g) _____ is 60 less than 173	h) _____ is 50 less than 296
i) _____ is 40 less than 386	j) _____ is 70 less than 348
k) _____ is 60 less than 438	l) _____ is 80 less than 451

4. 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 _____

5. 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 ;_____

6. 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 ; _____

7. "Break-down" the smaller number and subtract each part.

Calculate:

Example:	168 - 76		
Answer:	168 - 70 → 98 - 6 → 92	or	168 - 76 = 168 - 70 - 6 = 98 - 6 = 92

a) 194 - 87 → 194 - _____ → _____ - _____ → _____

or 197 - 87 = 194 - _____ - _____

= _____ - _____

= _____

b) 356 - 167 → 356 - _____ → _____ - _____ → _____

or 356 - 167 = _____

= _____

= _____

c) 441 - 238 → _____

or 441 - 238 = _____

= _____

= _____

Day 6. Subtraction of 3-digit numbers from 3-digit numbers using various methods.

1. "Break-down" both numbers, subtract the units from one another, the tens from one another and the hundreds from one another.
Remember to subtract 46 means to subtract 40 and then subtract 6 or subtract 6 and then subtract 40.

Method 1.

369 - 134
= 300 + 60 + 9 - 100 - 30 - 4
= 300 - 100 + 60 - 30 + 9 - 4
= 200 + 30 + 5
= 235

a) 478 - 216

= _____
= _____
= _____
= _____

b) 274 - 153

= _____
= _____
= _____
= _____

c) 597 - 254

= _____
= _____
= _____
= _____

Method 2.

Example: Calculate 277 - 142
Answer: 7 - 2 = 5
and 70 - 40 = 30
and 200 - 100 = 100
means 277 - 142 = 135

a) 369 - 247

_____
_____
_____
_____

b) 585 - 324

_____
_____
_____
_____

c) 467 - 254

_____
_____
_____
_____

2. Complete:

a) 167 = 100 + 60 + 7 or 167 = 100 + 50 + _____

b) 254 = 200 + 50 + 4 or 254 = 200 + _____ + 14

c) 328 = 300 + 20 + 8 or 328 = 300 + 10 + _____ or 200 + _____ + 8

d) 473 = 400 + 70 + 3 or 473 = 400 + 60 + ____ or 300 + _____ + 3

3. "Break-down" both numbers to calculate the answers.

Extension of method 1.

263 - 127 [*Remember 263 = 200 + 60 + 3 or 200 + 50 + 13*]

= 200 + 60 + 3 - 100 - 20 - 7

= 200 + 50 + 13 - 100 - 20 - 7

= 200 - 100 + 50 - 20 + 13 - 7

= 100 + 30 + 6

= 136

a) 345 - 138

b) 466 - 238

c) 574 - 259

d) 657 - 329

e) 329 - 146

f) 425 - 274

Day 7.

1. **Extension of method 2.**

Example: Calculate 263 - 127

Answer: 13 - 7 = 6 *[263 = 200 + 50 + 13]*

and 50 - 20 = 30

and 200 - 100 = 100

means 263 - 127 = 136

a) 454 - 135

_____

_____

_____

_____

b) 349 - 156

_____

_____

_____

_____

c) 468 - 275

_____

_____

_____

_____

Method 3.

Examples: Calculate 346 - 123 and 455 - 263

Answers:

346 = 300 + 40 + 6

- 123 = - 100 - 20 - 3

346 - 123 = 200 + 20 + 3

= 223

455 = 300 + 150 + 5

- 263 = - 200 - 60 - 3

455 - 263 = 100 + 90 + 2

= 192

a) 469 = _____

- 134 = _____

_____

_____

_____

b) 562 = _____

- 258 = _____

_____

_____

_____

c) 737 = _____

- 265 = _____

_____

_____

_____

d) 645 = _____

- 372 = _____

_____

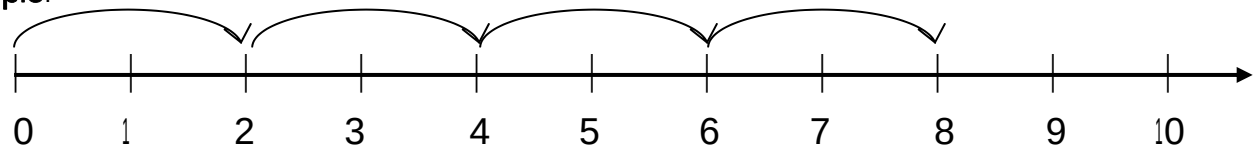
_____

_____

4. Write down what is shown on each number line.

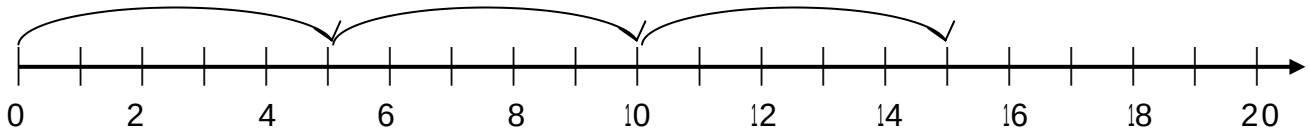
Example:

a)



Answer: 2 + 2 + 2 + 2 = 8 or 4 jumps of 2 = 8 or 4 twos = 8.

b)



Answer: _____

5. Use repeated addition to find the value of

a) 6 eights b) 5 nines

a) _____

b) _____

6. Use repeated addition to double each of the following numbers.

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

a) Double 18 = _____
= _____
= _____
= _____

b) Double 25 = _____
= _____
= _____
= _____

c) Double 34 = _____
= _____
= _____
= _____

d) Double 29 = _____
= _____
= _____
= _____

e) Double 37 = _____
= _____
= _____
= _____

7. Complete: The first four multiples of

a) 6 are 6, _____ , _____ , 24 by adding on sixes.

b) 7 are 7, _____, _____, _____ by _____

c) 9 are 9, _____, _____, _____ by _____

8. Complete: The multiples of

a) 3 between 15 and 27 are _____, _____, _____

b) 5 between 25 and 45. are _____, _____, _____

c) 8 between 40 and 72. are _____, _____, _____

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

a) 2 × 2 = _____	b) 2 × 3 = _____	c) 2 × 4 = _____	d) 2 × 5 = _____
3 × 2 = _____	3 × 3 = _____	3 × 4 = _____	3 × 5 = _____
4 × 2 = _____	4 × 3 = _____	4 × 4 = _____	4 × 5 = _____
5 × 2 = _____	5 × 3 = _____	5 × 4 = _____	5 × 5 = _____
6 × 2 = _____	6 × 3 = _____	6 × 4 = _____	6 × 5 = _____

Day 8.

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

a) 10 × 2 = _____	b) 10 × 3 = ____	c) 10 × 4 = _____	d) 10 × 5 = _____
9 × 2 = _____	9 × 3 = _____	9 × 4 = _____	9 × 5 = _____
8 × 2 = _____	8 × 3 = _____	8 × 4 = _____	8 × 5 = _____
7 × 2 = _____	7 × 3 = _____	7 × 4 = _____	7 × 5 = _____
e) 5 × 2 = _____	f) 7 × 2 = _____	g) 4 × 3 = _____	h) 3 × 4 = _____
5 × 4 = _____	7 × 4 = _____	8 × 3 = _____	6 × 4 = _____
6 × 2 = _____	8 × 2 = _____	4 × 5 = _____	3 × 3 = _____
6 × 4 = _____	8 × 4 = _____	8 × 5 = _____	6 × 3 = _____
i) 7 × 1 = _____	j) 4 × 4 = _____	k) 9 × 3 = _____	l) 10 × 2 = _____
8 × 2 = _____	5 × 5 = _____	8 × 4 = _____	9 × 5 = _____
5 × 3 = _____	3 × 3 = _____	7 × 5 = _____	8 × 3 = _____
6 × 5 = _____	2 × 2 = _____	6 × 2 = _____	7 × 4 = _____

2. Complete:

a) 3 × 10 = _____
4 × 10 = _____
5 × 10 = _____
6 × 10 = _____

b) 7 × 10 = _____
8 × 10 = _____
9 × 10 = _____
10 × 10 = _____

c) 2 × 20 = _____
3 × 20 = _____
4 × 20 = _____
5 × 20 = _____

d) 2 × 30 = _____
3 × 30 = _____
2 × 40 = _____
2 × 50 = _____

3. Complete each flow-diagram.

a)

Input	Rule	Output
4	× 3	___
6		___
8		___

b)

Input	Rule	Output
3	× 4	___
5		___
7		___

c)

Input	Rule	Output
3	× 5	___
5		___
8		___

d)

Input	Rule	Output
2	× 10	___
5		___
7		___

4. Complete each of the following multiplication grids.
What do you notice about the answers in row 2 and row 3?

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										

Day 9.

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

Method 1.

Example: $3 \times 24 = 3 \times (20 + 4)$
$= 3 \times 20 + 3 \times 4$
$= 60 + 12$
$= 72$

a) $2 \times 43 =$ _____
= _____
= _____
= _____

b) $4 \times 16 =$ _____
= _____
= _____
= _____

c) $3 \times 28 =$ _____
= _____
= _____
= _____

d) $5 \times 19 =$ _____
= _____
= _____
= _____

e) $4 \times 23 =$ _____
= _____
= _____
= _____

Method 2.

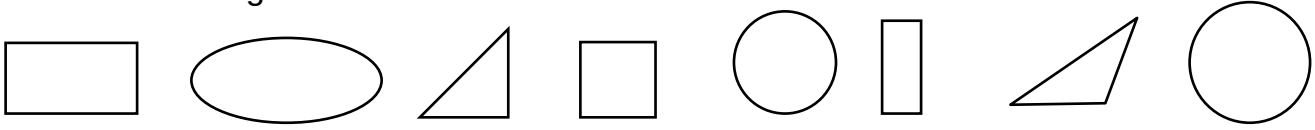
Example: 3×24
Answer: $3 \times 4 = 12$
and $3 \times 20 = 60$
means $3 \times 24 = 72$

a) 4×19
_____
_____
_____

b) 5×13
_____
_____
_____

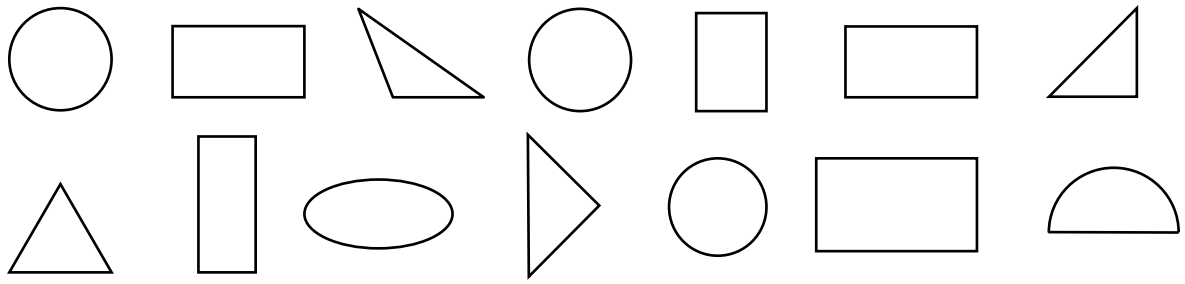
c) 3×28
_____
_____
_____

2. Mark the shapes which have only straight edges with a "✓" and those with curved edges with a "×".

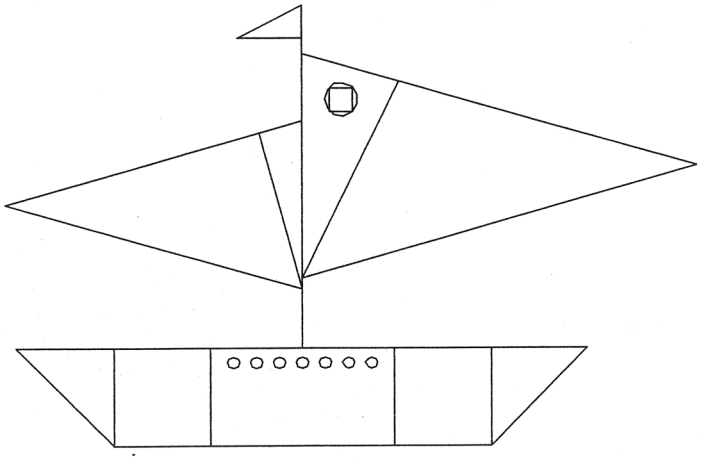


3. a) How many sides does a rectangle have? _____
b) How many sides does a triangle have? _____
c) How many sides does a square have? _____

4. Write "t" inside each triangle, "c" inside each circle and "r" inside each rectangle in the shapes below.



5.



Count and write down how many circles, triangles, rectangles and squares there are in the above picture.

a) The number of circles = _____

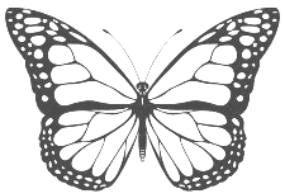
b) The number of triangles = _____

c) The number of rectangles = _____

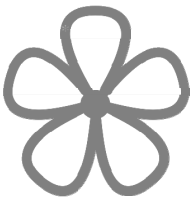
d) The number of squares = _____

6. Draw a line of symmetry in each of the pictures.

a)

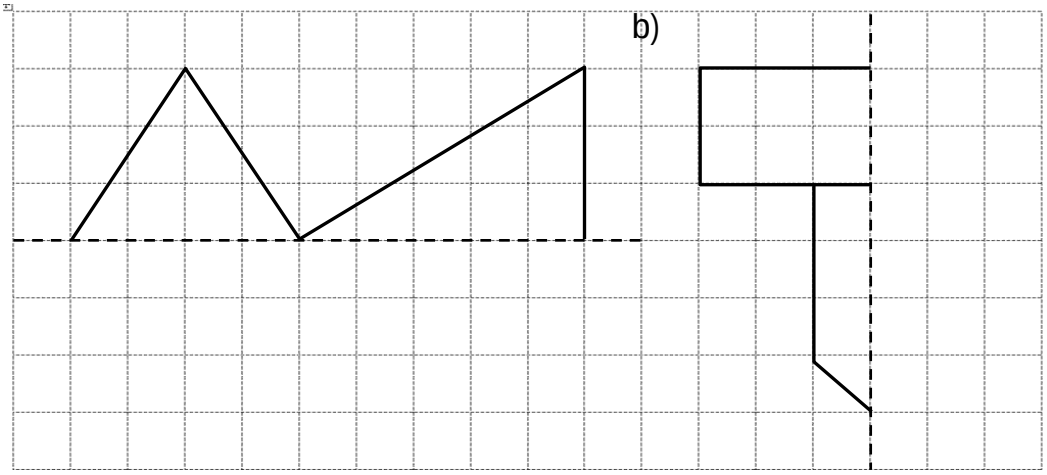


b)



7. Draw the other part of each shape to make it symmetrical.

a) b)



Day 10.

To answer question 1, 2 and 6 you must write down the letters which mark the objects or figures.

1. A B C D


a) Which of the above objects can roll? _____

b) Which of the above objects can slide? _____

c) Which of the above objects can slide and roll? _____

2. A B C D



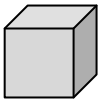
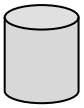
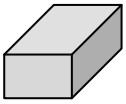
E F G H



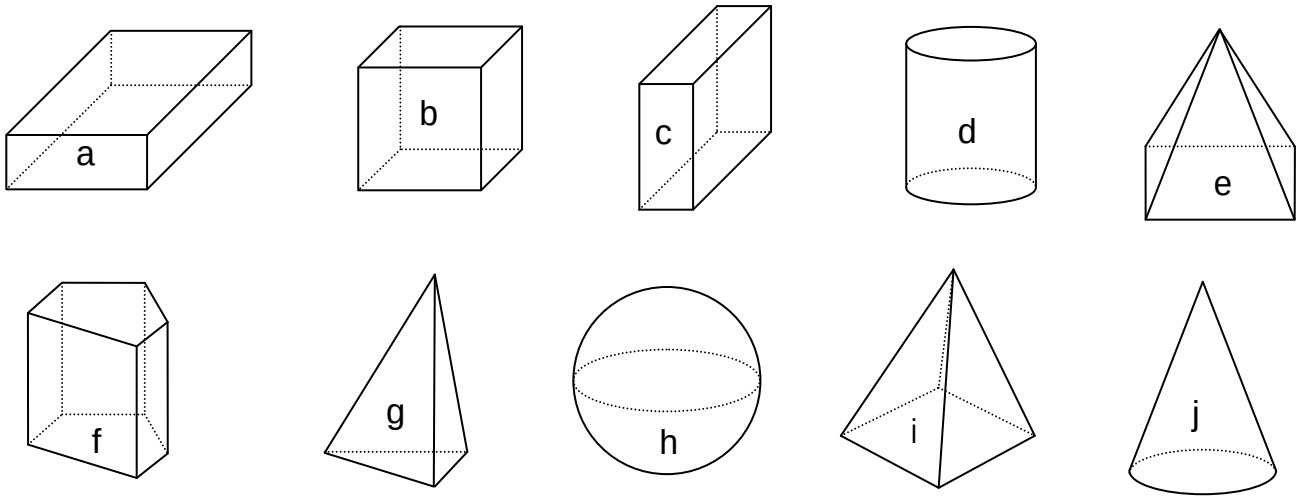

a) Which of the above objects have the same shape as a box? _____

b) Which of the above objects have the same shape as a ball? _____

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

4.



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 _____

5. Look at the figures in question 4 and then answer each of the questions.

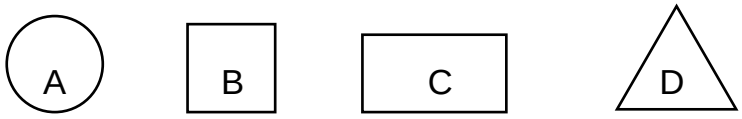
a) Which figures have the same shape as the figure marked (c)? _____

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

_____

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

6.



Which of the above 2-D shapes are used to make

a) a cube? _____ b) a cylinder? _____

c) a rectangular prism? _____ d) a square-based pyramid? _____