Straight Up Number Crunching

No Calculators Allowed!

What you need to know:

- This package contains 30 pages of math practice, focused entirely on calculating with numbers.

- To do these questions, you need to know how to add, subtract, multiply and divide.

- That's pretty much it - time to start!

Number Play: Warm-up

a.   9 + 8 =

b.   15 − 7 =

c.   12 × 6 =

d.   49 ÷ 7 =

e.   144 ÷ 12 =

f.   9 × 6 =

g.   3 × 9 =

h.   9 + 3 =

i.   16 − 8 =

j.   11 − 5 =

k.   11 × 11 =

l.   14 − 7 =

m.   8 + 6 =

n.   24 ÷ 4 =

o.   72 ÷ 8 =

p.   6 + 6 =

q.   9 + 7 =

r.   13 − 5 =

s.   64 ÷ 8 =

t.   9 × 9 =

Answers: a. 17, b. 8, c. 72, d. 7, e. 12, f. 54, g. 27,
h. 12, i. 8, j. 6, k. 121, l. 7, m. 14, n. 6,
o. 9, p. 12, q. 16, r. 8, s. 8, t. 81

Number Play: Warm-up

a. $63 \div \underline{\quad} = 9$ b. $7 \times \underline{\quad} = 56$

c. $9 \times 12 =$ d. $\underline{\quad} - 8 = 4$

e. $9 + 9 =$ f. $6 + 6 =$

g. $15 - \underline{\quad} = 6$ h. $\underline{\quad} \div 9 = 9$

i. $84 \div 12 =$ j. $11 - \underline{\quad} = 5$

k. $13 - 4 =$ l. $7 \times 7 =$

m. $6 + \underline{\quad} = 14$ n. $\underline{\quad} \times 5 = 40$

o. $\underline{\quad} \times 11 = 121$ p. $\underline{\quad} + 7 = 11$

q. $4 + 9 =$ r. $96 \div 12 =$

s. $\underline{\quad} \div 7 = 6$ t. $14 - \underline{\quad} = 6$

Answers: a. 7 b. 8 c. 108 d. 12 e. 18 f. 12 g. 9
h. 81 i. 7 j. 6 k. 9 l. 49 m. 8 n. 8 o. 11
p. 4 q. 13 r. 8 s. 42 t. 8

Number Play: Calculate

Remember! Do the equations inside the brackets first.

For example: (8 + 3) x 4

$$= 11 \times 4$$

$$= 44$$

a. (5 x 7) – 6 =

b. (8 x 9) – 3 =

c. (11 x 11) + 11 =

d. 3 x 2 x 4 =

e. 6 x 8 x 1 =

f. 5 x 5 x 5 =

g. 4 x 3 x 7 =

h. (10 x 9) + (3 x 3) =

i. (12 + 6) x (10 – 8) =

j. (8 + 7) + (21 – 6) =

k. 96 ÷ (6 + 6) =

l. 12 ÷ (1 x 1) =

m. (48 – 6) ÷ 7 =

n. (6 x 5) x 10 =

Answers: a. 29 b. 69 c. 132 d. 24 e. 48 f. 125
g. 84 h. 99 i. 36 j. 30 k. 8 l. 12 m. 6 n. 300

Number Play: Calculate

Remember! Do the equations inside the brackets first.

For example: $(5 + 5) \times 7$

$= 10 \times 7$

$= 70$

a. $(14 \times 2) \div 4 =$

b. $(20 - 1 + 2) \div 3 =$

c. $(6 \times 2) \times (4 \times 3) =$

d. $3 \times 2 \times 6 \times 4 =$

e. $11 \times (25 \div 5) =$

f. $(40 \times 3) + 5 =$

g. $(6 \times 9) - 20 =$

h. $70 - 10 - 45 =$

i. $84 + 3 - 1 =$

j. $10 \times 10 \times 10 =$

k. $(35 \div 7) \times 13 =$

l. $(2 \times 18) + 15 =$

m. $(9 \times 8) \div 12 =$

n. $5 \times 2 \times 5 \times 2 \times 5 =$

Answers: a. 7 b. 7 c. 144 d. 144 e. 55 f. 125 g. 34 h. 15
i. 86 j. 1000 k. 65 l. 51 m. 6 n. 500

Number Play: Calculate - chain reaction

Perform each new calculation as you go, from top to bottom

a.	b.	c.
11	7	9
x 11	x 12	x 8
- 11	halve that	÷ 12
÷ 10	÷ 6	x 13
triple that	double that	- 20
+ 13	double that	- 2
+ 8	- 10	÷ 8
÷ 9	÷ 6	x 9
= _____	= _____	= _____

Number Play: Make 100

Fill in the blank so that the sum equals 100. The first one is done for you.

a.   78 + <u>22</u>   b.   51 + ___

c.   6 + ___   d.   82 + ___

e.   9 + ___   f.   37 + ___

g.   93 + ___   h.   14 + ___

i.   35 + ___   j.   46 + ___

k.   58 + ___   l.   67 + ___

m.   22 + ___   n.   71 + ___

o.   33 + ___   p.   89 + ___

q.   15 + ___   r.   64 + ___

s.   20 + ___   t.   47 + ___

Answers: a. 22 b. 49 c. 94 d. 18 e. 91 f. 63 g. 7 h. 86 i. 65 j. 54
k. 42 l. 33 m. 78 n. 29 o. 67 p. 11 q. 85 r. 36 s. 80 t. 53

Number Play: Equalize

Make the equations equal by filling in the blank. The first one is done for you.

Remember! Do the equations inside the brackets fi st. For example: $(26 - 6) \div 4$

$$= 20 \div 4$$

$$= 5$$

a. $2 + 6 + 3 = 22 \div \underline{\ 2\ }$ b. $(7 \times 9) + 1 = 8 \times \underline{\ \ \ }$

c. $29 - 3 - 2 = \underline{\ \ \ } \times 4$ d. $99 - 18 = 9 \times \underline{\ \ \ }$

e. $11 + 12 + 5 = (9 \times \underline{\ \ \ }) + 1$ f. $56 \div 8 = (48 \div 12) + \underline{\ \ \ }$

g. $\underline{\ \ \ } \div 12 = 2 \times 2 \times 2$ h. $10 \times 10 = 5 \times 2 \times 5 \times \underline{\ \ \ }$

i. $26 - \underline{\ \ \ } = 17 - 5$ j. $\underline{\ \ \ } \times 6 = 32 + 4$

k. $48 \div 4 = 60 \div \underline{\ \ \ }$ l. $200 \div 2 = 4 \times \underline{\ \ \ }$

m. $150 \div 2 = 25 \times \underline{\ \ \ }$ n. $9 \times \underline{\ \ \ } = 6 \times 3$

Answers: a. 2 b. 8 c. 6 d. 9 e. 3 f. 3 g. 96
h. 2 i. 14 j. 6 k. 5 l. 25 m. 3 n. 2

Number Play: Skip count

a. Between 50 and 30: count backwards by 3s (write the answers on the line below)

_____

b. From 7 to 50: count up by 6s

_____

c. Cross out the numbers that do **not** appear when counting backwards by 4s from 80 to 40

44   52   74   68   70   64   42   76

d. Starting at 1 and going up to (but not over) 50: count by 5s

_____

e. From 200 to 0: count backwards by 25

_____

Answers: a. 50, 47, 44, 41, 38, 35, 32
              b. 7, 13, 19, 25, 31, 37, 43, 49
              c. The numbers that do not appear: 74, 70, 42
              d. 1, 6, 11, 16, 21, 26, 31, 36, 41, 46
              e. 200, 175, 150, 125, 100, 75, 50, 25, 0

Number Play: Calculate

Remember!

Multiples are what we get when we multiply a whole number by other whole numbers.

For example, the multiples of 4 are: 4, 8, 12, 16, 20 and so on

Because 4 x 1 = **4**, 4 x 2 = **8**, 4 x 3 = **12**, 4 x 4 = **16**, 4 x 5 = **20**…

Factors are the numbers you multiply together to get the number being factored.

For example, the factors of 12 are:

1 & 12 (because **1** x **12** = 12), 2 & 6 (because **2** x **6** = 12), 3 & 4 (because **3** x **4** = 12)

a. What are the multiples of 6 up to 80: _____

b. What are the multiples of 8 up to 100: _____

c. What are the 3 common multiples of 6 and 8 up to 80: ___ ___ ___

d. What are the 9 factors of 36: ___ ___ ___ ___ ___ ___ ___ ___ ___

e. What are the 8 factors of 24: ___ ___ ___ ___ ___ ___ ___ ___

Answers: a. 6, 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72, 78
b. 8, 16, 24, 32, 40, 48, 56, 64, 72, 80, 88, 96
c. 24, 48, 72
d. 1, 2, 3, 4, 6, 9, 12, 18, 36
e. 1, 2, 3, 4, 6, 8, 12, 24

Number Play: Calculate

Remember! Do the equations inside the brackets fi st.

For example: $(15 - 3) \div 3$

$= 12 \div 3$

$= 4$

a. $(8 \times 12) + 4 =$ b. $(3 \times 9) + 3 =$

c. $(100 \div 10) \times 8 =$ d. $(4 \times 9) \div 12 =$

e. $(42 \div 6) \times 7 =$ f. $(12 - 5) \times 7 =$

g. $(9 + 8) - 7 =$ h. $(72 \div 9) \times 4 =$

i. $(121 \div 11) \times 2 =$ j. $(12 \times 11) - 12 =$

k. $(17 - 9) \times 6 =$ l. $(9 + 5) \times 3 =$

m. $(8 + 6) \div 7 =$ n. $(13 - 4) \times 9 =$

Answers: a. 100   b. 30   c. 80   d. 3   e. 49   f. 49   g. 10 h. 32   i. 22   j. 120   k. 48   l. 42 m. 2   n. 81

Number Play: Calculate with 10s and multiples of 10

a. $32 + 10 =$

b. $43 - 10 =$

c. $253 - 30 =$

d. $99 - 20 =$

e. $42 + 70 =$

f. $455 - 60 =$

g. $610 - 30 =$

h. $77 - 20 =$

i. $182 + 40 =$

j. $61 + 50 =$

k. $50 \times 10 =$

l. $60 \times 20 =$

m. $70 \times 40 =$

n. $200 \times 30 =$

o. $100 \times 700 =$

p. $253 \times 100 =$

q. $400 \div 100 =$

r. $200 \div 50 =$

s. $500 \div 10 =$

t. $1000 \div 100 =$

Answers: a. 42 b. 33 c. 223 d. 79 e. 112 f. 395 g. 580
h. 57 i. 222 j. 111 k. 500 l. 1200 m. 2800
n. 6000 o. 70 000 p. 25 300 q. 4 r. 4 s. 50 t. 10

Number Play: Calculate - chain reaction

Perform each new calculation as you go, from top to bottom

a.	b.	c.
4	20	1000
x 9	x 3	÷ 4
+ 6	- 15	÷ 2
÷ 7	- 10	- 50
x 12	÷ 7	+ 9
+ 10	+ 43	÷ 7
- 2	÷ 12	x 3
x 2	x 25	- 6
= _____	= _____	= _____

Number Play: Calculate with money

a. $1 = _____ nickels

b. $2 = _____ quarters

c. 8 quarters = _____ nickels

d. $3.50 = _____ quarters

e. $1.50 = _____ nickels

f. 6 quarters = _____ nickels

g. $1 = _____ dimes

h. $2 = _____ dimes

i. $2.50 = _____ dimes

j. 10 quarters = _____ dimes

Answers: a. 20 b. 8 c. 40 d. 14 e. 30 f. 30
g. 10 h. 20 i. 25 j. 25

Number Play: Calculate

a. Count back by 3s between 120 and 100 _____

b. $(8 \times 12) + 4 =$ _____

c. $(7 + 4) \times (11 - 3) =$ _____

d. $48 +$ _____ $= 100$

e. $32 +$ _____ $= 100$

f. $36 + 6 = (6 \times 7) +$ _____

g. $45 - 7 = (6 \times 9) -$ _____

h. $440 \div 10 =$ _____

i. $570 \div 57 =$ _____

j. 33 minutes before 8:14 am is _____

k. 5 quarters + 2 dimes is how many total dollars and cents $_____._____

l. $(108 \div 12) \div 3 =$ _____

m. $(72 \div 9) \div 2 =$ _____

n. What are the common factors of 6 and 24? _____

o. What is the lowest common multiple of 6 and 4? _____

Answers: a. 120, 117, 114, 111, 108, 105, 102
b. 100 c. 88 d. 52 e. 68 f. 0 g. 16 h. 44 i. 10
j. 7:41 a.m. k. $1.45 l. 3 m. 4 n. 1, 2, 3, 6 o. 12

Number Play: Calculate with time

a. 55 minutes after 1:05 a.m. = _____

b. 20 minutes before 1:05 p.m. = _____

c. 15 minutes before 2:10 a.m. = _____

d. 37 minutes before 3:00 p.m. = _____

e. 2 hours and 15 minutes after 5:50 a.m. = _____

Answers: a. 2:00 a.m.   b. 12:45 p.m.   c. 1:55 a.m. d. 2:23 p.m.   e. 8:05 a.m.

Number Play: Calculate - chain reaction

Perform each new calculation as you go, from top to bottom

a.	b.	c.
100	250	500
double that	double that	double that
x 5	÷ 100	+ 500
halve that	x 1000	- 1000
÷ 5	double that	- 495
÷ 5	- 9000	triple that
÷ 5	- 5	double that
halve that	+ 6	÷ 10
= _____	= _____	= _____

Number Play: Calculate

a. $23 + 10 + 15 =$ _____

b. $100 - 88 - 5 =$ _____

c. $46 - 9 + 12 =$ _____

d. $7 \times 8 = 60 -$ _____

e. $(2 \times 12) + 1 = 100 \div$ _____

f. 23 minutes before 9 p.m. = _____

g. $26 \times 100 =$ _____

h. $510 \div 10 =$ _____

i. $4000 \div 100 =$ _____

j. What is the lowest common multiple of 8 and 9? _____

k. $57 +$ _____ $= 100$

l. $21 +$ _____ $= 100$

m. $19 +$ _____ $= 100$

n. $4 \times 4 \times 2 = 8 \times 2 \times$ _____

o. $(6 \times 3) \div 2 = (72 \div$ _____$) - 3$

Answers: a. 48 b. 7 c. 49 d. 4 e. 4 f. 8:37 p.m. g. 2600
h. 51 i. 40 j. 72 k. 43 l. 79 m. 81 n. 2 o. 6

Number Play: Skip count

a. Cross out the numbers that do **not** appear when counting by 7s from 30 to 70

42   49   52   59   63   66   67

b. Count backwards by 2s from 91 to 71

_____

c. Count back by 9s from 50 to 0

_____

d. Count back by 9s from 75 to 50

_____

e. Cross out the numbers that do not appear when counting by 2s from 33 to 93

66   95   45   21   59   11   46   35   77   82   61

Answers: a. None of the numbers appear.
b. 91, 89, 87, 85, 83, 81, 79, 77, 75, 73, 71
c. 50, 41, 32, 23, 14, 5
d. 75, 66, 57

e. 66, 95, 21, 11, 46, 82

Number Play: Calculate - chain reaction

Perform each new calculation as you go, from top to bottom

a.	b.	c.
5	10	52
x 5	+ 35	- 3
+ 75	÷ 5	÷ 7
- 4	x 3	x 4
÷ 12	- 3	+ 12
x 8	÷ 8	x 2
÷ 2	x 11	÷ 4
- 12	+ 7	- 19
= _____	= _____	= _____

Number Play: Calculate - double and triple

a. double 30 = ____

b. triple 25 = ____

c. triple 30 = ____

d. double 19 = ____

e. double 24 = ____

f. triple 21 = ____

g. triple 15 = ____

h. triple 14 = ____

i. double 7, then double that number = ____

j. double 32 = ____

k. triple 9, then double that number = ____

l. triple 4, then triple that number, then double that number = ____

m. double 50, then triple that number, then triple that number,
   then double that number = ____

n. double 250, then triple that number, then double that number = ____

o. triple 70, then double that number, then double that number = ____

Answers: a. 60 b. 75 c. 90 d. 38 e. 48 f. 63
g. 45 h. 42 i. 28 j. 64 k. 54 l. 72
m. 1800 n. 3000 o. 840

Number Play: Equalize

Make the equations equal by filling in the blank. The first one is done for you.

Remember! Do the equations inside the brackets fi st. For example: $(8 + 10) \div 9$
$$= 18 \div 9$$
$$= 2$$

a. $7 + 5 + 3 = 1 \times \underline{\ 15\ }$ b. $6 \times 12 = \underline{\ \ \ } \times 8$

c. $18 - 9 = 27 \div \underline{\ \ \ }$ d. $6 \times 4 = 3 \times \underline{\ \ \ }$

e. $36 \div 6 = \underline{\ \ \ } \div 7$ f. $13 - 4 = \underline{\ \ \ } - 3$

g. $108 \div 9 = \underline{\ \ \ } \div 2$ h. $(8 \times 7) - 2 = (10 \times 5) + \underline{\ \ \ }$

i. $11 - 6 + 5 = (60 \div \underline{\ \ \ }) + 5$ j. $4 \times 3 = \underline{\ \ \ } \div 7$

k. $6 \times 8 = 12 \times \underline{\ \ \ }$ l. $96 \div 8 = (4 \times \underline{\ \ \ }) + 4$

m. $(7 \times 3) + 9 = (\underline{\ \ \ } \times 11) - 3$ n. $(10 \times 12) \div 2 = (10 \times 10) - \underline{\ \ \ }$

Answers: a. 15 b. 9 c. 3 d. 8 e. 42 f. 12 g. 24
h. 4 i. 12 j. 84 k. 4 l. 2 m. 3 n. 40

Number Play: Calculate

a. Count back by 8s starting at 40: _____

b. 4 x 4 x 3 = (5 x 6 x 2) – ____

c. 27 x 2= ____   d. 22 x 3 = ____   e. 3 x 3 x 3 x 3 = ____

f. Count by 6s from 30 to 55: _____

g. 50 minutes before and after 10:05 a.m.: _____ and _____

h. 17 + 7 + 7 = ____   i. 25 + 6 + 9 = ____

j. (5 x 7) + 10 = ____ x 9   k. (99 ÷ 9) + 11 = (____ ÷ 8) + 15

l. What is the lowest common multiple of 10 and 20? ____

m. Count by 3s from 73 to 100: _____

n. How many factors does 15 have? ____

o. 34 nickels = how many dollars and cents? $____.____

Number Play: Calculate - chain reaction

Perform each new calculation as you go, from top to bottom

a.	b.	c.
9	20	2
x 7	+ 15	x 55
+ 7	- 1	÷ 11
÷ 10	÷ 2	+ 33
+ 101	- 9	- 7
÷ 9	÷ 8	÷ 3
Double that	+39	÷ 4
+ 6	Triple that	- 3
Triple that	÷ 12	+ 44
- 85	x 5	Double that
= _____	= _____	= _____

Number Play: Calculate

a. $(2 \times 10) \times 4 =$

b. $(5 + 8) \times 3 =$

c. $(50 - 48) \times 2 =$

d. $100 - 50 - 5 - 10 =$

e. $4 + 6 + 8 + 13 - 3 =$

f. $56 - 5 + 3 - 8 =$

g. $(7 \times 8) + 5 =$

h. $(65 \div 5) \times 2 =$

i. $(750 \div 10) - (5 \times 12) =$

j. $(8 + 1) \times (4 + 5) =$

k. $13 \times 3 \times 16 \times 4 \times 0 =$

l. $80 - 20 - 1 - 20 - 1 - 20 =$

m. $(14 + 30) \div 11 =$

n. $(9 \times 6) - 8 =$

Answers: a. 80 b. 39 c. 4 d. 35 e. 28 f. 46 g. 61
h. 26 i. 15 j. 81 k. 0 l. 18 m. 4 n. 46

Number Play: Calculate with money

a. 20 nickels = _____ dimes

b. _____ dimes = 100 nickels

c. 220 nickels = _____ dimes

d. $5.35 = _____ nickels

e. $4.75 = _____ quarters

f. $10 = _____ dimes

g. $8.75 = _____ quarters

h. $1.95 = _____ nickels

i. $9.95 = _____ nickels

j. $100 = _____ quarters

Answers: a. 10   b. 50   c. 110   d. 107   e. 19   f. 100
g. 35   h. 39   i. 199   j. 400

Number Play: Equalize

Make the equations equal by filling in the blank. The first one is done for you.

Remember! Do the equations inside the brackets fi st. For example: $(26 - 6) \div 4$

$$= 20 \div 4$$

$$= 5$$

a. $84 + \underline{\ 6\ } = 30 \times 3$

b. $11 \times 4 = 100 - \underline{\quad}$

c. $\underline{\quad} + 11 = 5 + (6 \div 1)$

d. $44 - 4 - 4 = \underline{\quad} \times 9$

e. $70 \div \underline{\quad} = (2 \times 3) + 4$

f. $(8 \times 8) - 1 = (\underline{\quad} + 8) \times 7$

g. $77 - 30 = (5 \times 10) - \underline{\quad}$

h. $15 - 8 = \underline{\quad} \div 7$

i. $13 - 7 = 18 - 9 - \underline{\quad}$

j. $20 - 8 + 2 = 5 + \underline{\quad} + 5$

k. $3 \times 3 \times 4 = 2 \times 3 \times \underline{\quad}$

l. $11 \times 2 \times 2 = (100 \div 2) - \underline{\quad}$

m. $\underline{\quad} + 8 + 8 = (9 \times 9) - 11$

n. $\underline{\quad} \div 6 = 27 \div 3$

Answers: a. 6 b. 56 c. 0 d. 4 e. 7 f. 1 g. 3
h. 49 i. 3 j. 4 k. 6 l. 6 m. 54 n. 54

Number Play: Calculate with time

a. 1 hour and 10 minutes before 5:50 a.m. = _____

b. 5 minutes before 1:03 p.m. = _____

c. 22 minutes after 1:47 a.m. = _____

d. 31 minutes before 7:02 p.m. = _____

e. 19 minutes after 9:14 p.m. = _____

Answers: a. 4:40 a.m.   b. 12:58 p.m.   c. 2:09 a.m.
d. 6:31 p.m.   e. 9:33 p.m.

Number Play: Calculate

a. (8 x 12) – 12 = _____

b. 7 x 7 = (49 ÷ 7) + _____

c. (6 x 2 x 5) ÷ 6 = _____

d. (9 x 12) – 20 = _____

e. 8 + 5 = _____

f. 9 + 4 = _____

g. 6 + 7 = _____

h. 31 + _____ = 100

i. 15 + _____ = 100

j. 9 + _____ = 100

k. (55 ÷ 11) x 2 = (90 ÷ 2 ÷ 5) + _____

l. 12 x 11 = _____

m. 144 ÷ 12 = _____

n. 108 ÷ 9 = _____

o. (7 x 9) – 13 = (20 x _____) + (29 + 1)

p. (9 x 8) + (4 x 3) = (36 ÷ _____) x (7 x 3)

q. 100 – _____ = 37

r. 100 – _____ = 83

s. 100 – _____ = 16

t. (64 ÷ 8) x 12 = (9 x _____) – 12

u. 40 minutes before 12:35 p.m. = _____

Number Play: Calculate - chain reaction

Perform each new calculation as you go, from top to bottom

a.	b.	c.
2	77	999
+ 100	- 50	- 200
- 10	÷ 9	- 49
- 11	triple that	- 150
÷ 9	triple that	halve that
+ 3	double that	÷ 100
x 12	÷ 6	x 50
- 45	x 12	halve that
= _____	= _____	= _____

Number Play: Calculate

a. 11 dimes = _____ nickels

b. 40 nickels = _____ dimes

c. $10.75 = _____ quarters

d. $(110 \div 11) + 43 = (18 \times 2) +$ _____

e. $9 \times 9 =$ _____ $8 \times 8 =$ _____ $7 \times 7 =$ _____ $6 \times 6 =$ _____ $5 \times 5 =$ _____

f. 40 minutes before and after 11:11 am = _____ and _____

g. $0 + 1 + 2 + 3 + 4 = 1000 \div$ _____

h. $(13 \times 2) - 10 = 2 \times$ _____

i. $(27 \div 9) \times 12 = (3 \times 3) \times ($ _____ $- 2)$

j. $58 + 2 - 30 =$ _____ $\times 3$

k. triple 25, then double that, then double that, then triple that, then subtract 2: _____

l. $(11 - 6) \times 20 =$ _____

m. $7 + 7 + 14 =$ _____

n. $48 \div 8 \div 2 =$ _____

o. $(84 \div 7) \times 12 =$ _____

Answers: a. 22 b. 20 c. 43 d. 17 e. 81, 64, 49, 36, 25
f. before = 10:31 a.m., after = 11:51 a.m. g. 100 h. 8
i. 6 j. 10 k. 898 l. 100 m. 28 n. 3 o. 144